



Compartment Review Presentation

Baraga Forest Management Unit

Compartment 11007

Entry Year 2023

Acreage: 1,902

County Baraga

Management Area: Keweenaw Bay

Stand Examiner: Fred Hansen

Legal Description:

T50N, R34W, Sections 28, 32 and 34.

Identified Planning Goals:

To maintain a healthy; sustainable forest with special consideration to wildlife habitat, fisheries habitat, and recreational needs.

Soil and topography:

This compartment grades off the north end of the Baraga Plains and becomes generally more hilly and steep to the north. Soils are Munising Loamy Sand, Rousseau-Ocqueoc Association and Keweenaw-Kalkaska Complex.

Ownership Patterns, Development, and Land Use in and Around the Compartment:

The majority of the adjacent private ownership is forest industry. There are small private parcels west of Section 32.

Unique Natural Features:

None identified.

Archeological, Historical, and Cultural Features:

None identified.

Special Management Designations or Considerations:

None identified.

Watershed and Fisheries Considerations:

Anderson and Engman Lakes are in this compartment. There are no identified watershed concerns.

Wildlife Habitat Considerations:

This compartment encompasses a unique topographic change from sandy draughty soils in the south to heavier clay soils and steep terrain closer to Keweenaw bay in the north, accordingly the wildlife habitats vary as do the management emphasis. The southernmost portion of this compartment is an extension of the Baraga Plains where jack pine and xeric conifer management predominates. It then transitions to northern hardwoods/aspens/oak/birch complex which further moves into a mesic conifer complex dominated by hemlock and northern hardwoods types. Menge Creek traverses this compartment and the majority of the acreage is within the historic and currently identified Menge Creek deer yarding complex. This complex is critically important to wintering deer from Baraga, Houghton and possibly Eastern Ontonagon County. Deer in this high snow fall zone are obligate migrators and the thermal cover provide by hemlock stands is essential to overwinter survival. Wildlife management and silvicultural prescriptions here are intended to maintain 70% or greater crown closure within hemlock stands, promote expansion of hemlock inclusions and increase crown closure accordingly, increase landscape connectivity, increase species and structural diversity, and promote hardwood regeneration within the forest matrix for both sustainable timber production and hardwood browse for wintering deer. Significant oak component and stands are also found here and prescriptions to promote hard mast production are encouraged. The intention is to rehabilitate historical forest openings (old homesteads) through a combination of mechanical treatments (i.e. hydro mowing encroaching woody vegetation), and plantings through partnerships with local conservation groups to promote will upland wildlife foraging habitat. Compartment 7 is within the Menge Creek Management Area and featured species include game species such as deer, black bear, American marten and important habitat condition indicator nongame species such as Black Burnian warblers.

Mineral Resource and Development Concerns and/or Restrictions

The nearest active sand/gravel pit is located just over two miles to the southeast. Surficial sediments in the compartment appear to be predominantly sand and clay. The compartment is remote and potential for sand & gravel development seems low. Potential for metallic minerals within the compartment is relatively unknown. Mineral rights within Section 28 were previously leased (2001 to 2008) for metallic mineral exploration and development, but there is no record that any exploration involving the parcels occurred. There is record of a historic iron mine and a graphite mine to the southeast.

There is no potential for economic oil and gas production in the UP.

Vehicle Access:

Baraga Plains Road and Menge Creek Road both cross the compartment. There are numerous logging roads throughout the compartment.

Survey Needs:

None identified.

Recreational Facilities and Opportunities:

Approximately 4 miles of ORV trail wind through this compartment. The Menge Creek Road and Baraga Plains Road are part of a groomed snowmobile trail system. This compartment provides some excellent opportunities for hunters of both small and large game. These opportunities are readily available due to numerous roads providing access.

Fire Protection:

This is not a fire prone area.

Additional Compartment Information:

The following reports from the Inventory are attached:

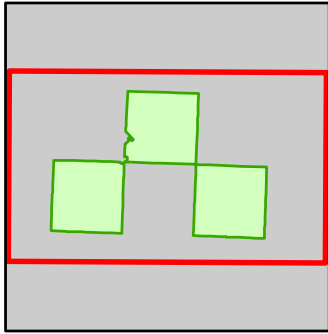
- Total Acres by Cover Type and Age Class**
- Cover Type by Harvest Method**
- Proposed Treatments – No Limiting Factors**
- Proposed Treatments – With Limiting Factors**
- Stand Details (Forested and Nonforested)**
- Dedicated and Proposed Special Conservation Areas**
- Site Condition Details**

The following information is displayed, where pertinent, on the attached compartment maps:

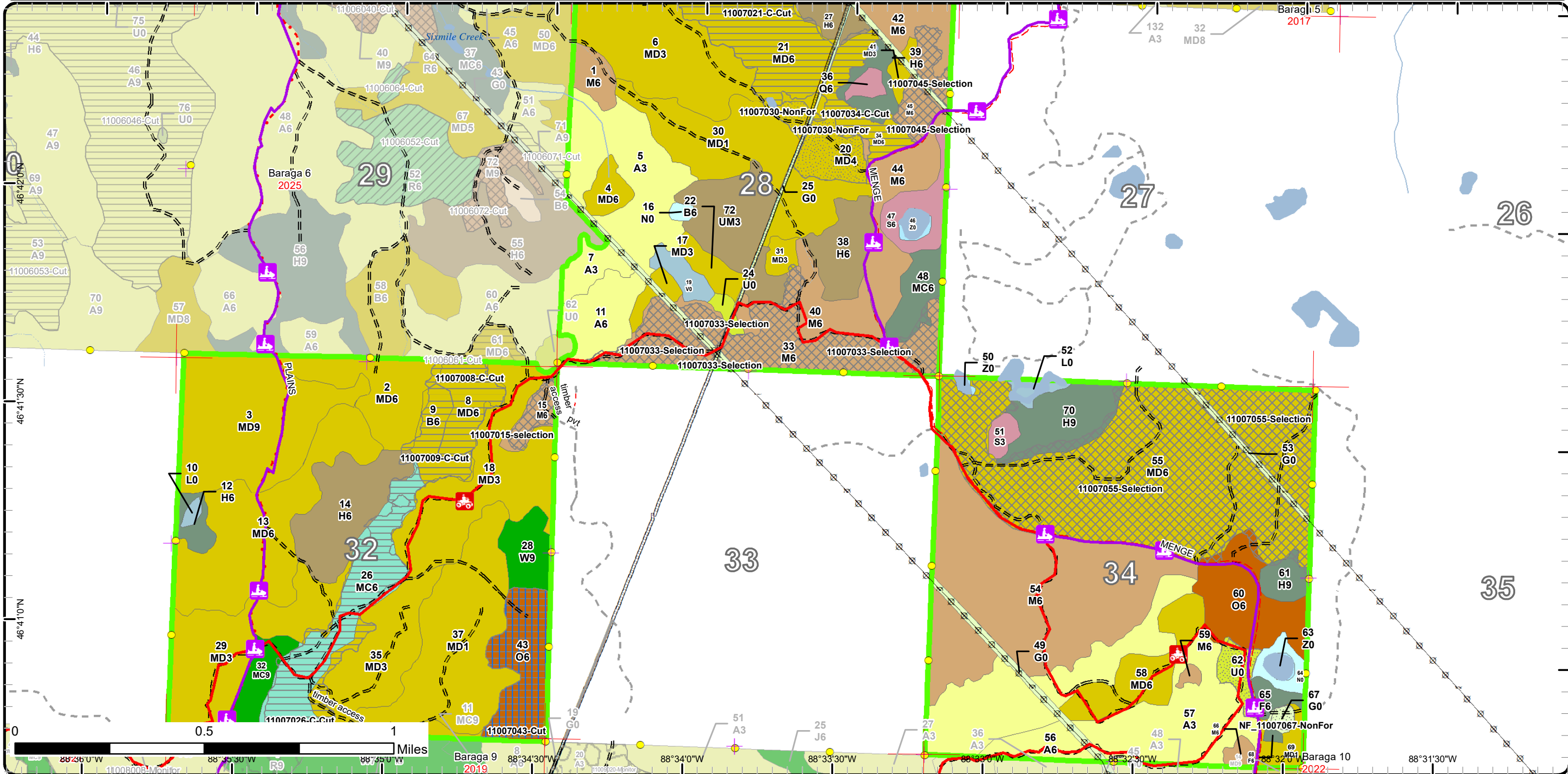
- Base feature information, stand boundaries, cover types, and numbers**
- Proposed treatments**
- Site condition boundaries**
- Details on the road access system**

Cover Type & Treatments Map

Compartment: 7
 T50N, R34W, Sec. 28, 32, 34
 County: Baraga
 Unit: Baraga
 Mgmt Area: Keweenaw Bay
 YOE: 2023
 Acres: 1902.3 GIS Calculated
 Examiner: Fred Hansen
 Map Revised: 9/20/2023
 Map Phase: Post Review

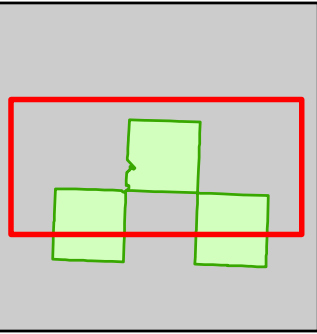


- Miris Corners
- + Remonumented Section Corners
- Survey Grade Corners
- Counties
- DNR - Secondary Forest Road
- DNR - Forest Access Route
- County - Gravel Road
- County - Dirt Road (Seasonal)
- Private - Paved Road
- Private - Dirt / Gravel Road
- 🚙 ORV Trails
- 🚙 Snowmobile Trails
- Designated ATV
- Designated Snowmobile Trails
- Intermittent Stream
- Island in Lake or River
- Lake/Pond
- Perennial River
- Lakes and Rivers
- Pipeline
- Powerline
- Compartment Boundary
- Selection (Group, Single Tree)
- Clearcut (w/Reserves)
- Seed Tree (w/Reserves)
- Mowing
- 411 - Northern Hardwood
- 412 - Oak Types
- 413 - Aspen
- 419 - Mixed Upland Deciduous
- 422 - Natural Pines
- 423 - Other Upland Conifers
- 429 - Mixed Upland Conifers
- 430 - Upland Mixed Forest
- 612 - Lowland Coniferous Forest
- 310 - Herbaceous Openland
- 330 - Low Density Trees
- 500 - Water
- 622 - Lowland Shrub
- 623 - Emergent Wetland

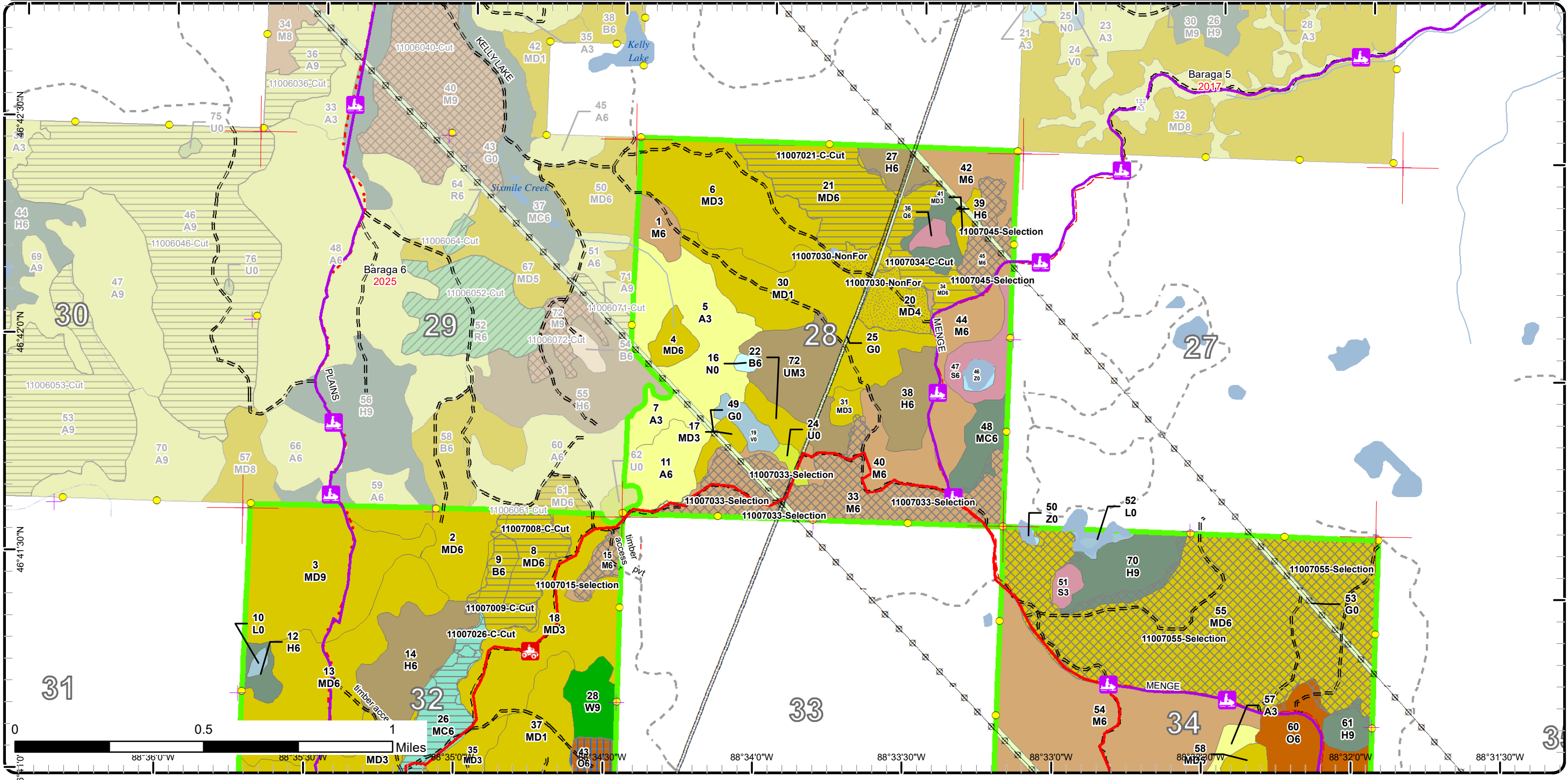


Cover Type & Treatments Map

Compartment: 7
 T50N, R34W, Sec. 28, 32, 34
 County: Baraga
 Unit: Baraga
 Mgmt Area: Keweenaw Bay
 YOE: 2023
 Acres: 1902.3 GIS Calculated
 Examiner: Fred Hansen
 Map Revised: 9/20/2023
 Map Phase: Post Review

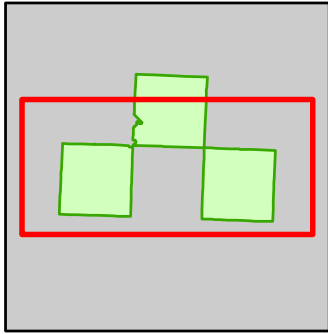


- Miris Corners
- + Remonumented Section Corners
- Survey Grade Corners
- Counties
- DNR - Forest Access Route
- County - Gravel Road
- County - Dirt Road (Seasonal)
- Private - Dirt / Gravel Road
- 🚙 ORV Trails
- 🚙 Snowmobile Trails
- Designated ATV
- Designated Snowmobile Trails
- Intermittent Stream
- Island in Lake or River
- Lake/Pond
- Perennial River
- Lakes and Rivers
- Pipeline
- Powerline
- Compartment Boundary
- Selection (Group, Single Tree)
- Clearcut (w/Reserves)
- Seed Tree (w/Reserves)
- Mowing
- 411 - Northern Hardwood
- 412 - Oak Types
- 413 - Aspen
- 419 - Mixed Upland Deciduous
- 422 - Natural Pines
- 423 - Other Upland Conifers
- 429 - Mixed Upland Conifers
- 430 - Upland Mixed Forest
- 612 - Lowland Coniferous Forest
- 310 - Herbaceous Openland
- 330 - Low Density Trees
- 500 - Water
- 622 - Lowland Shrub
- 623 - Emergent Wetland

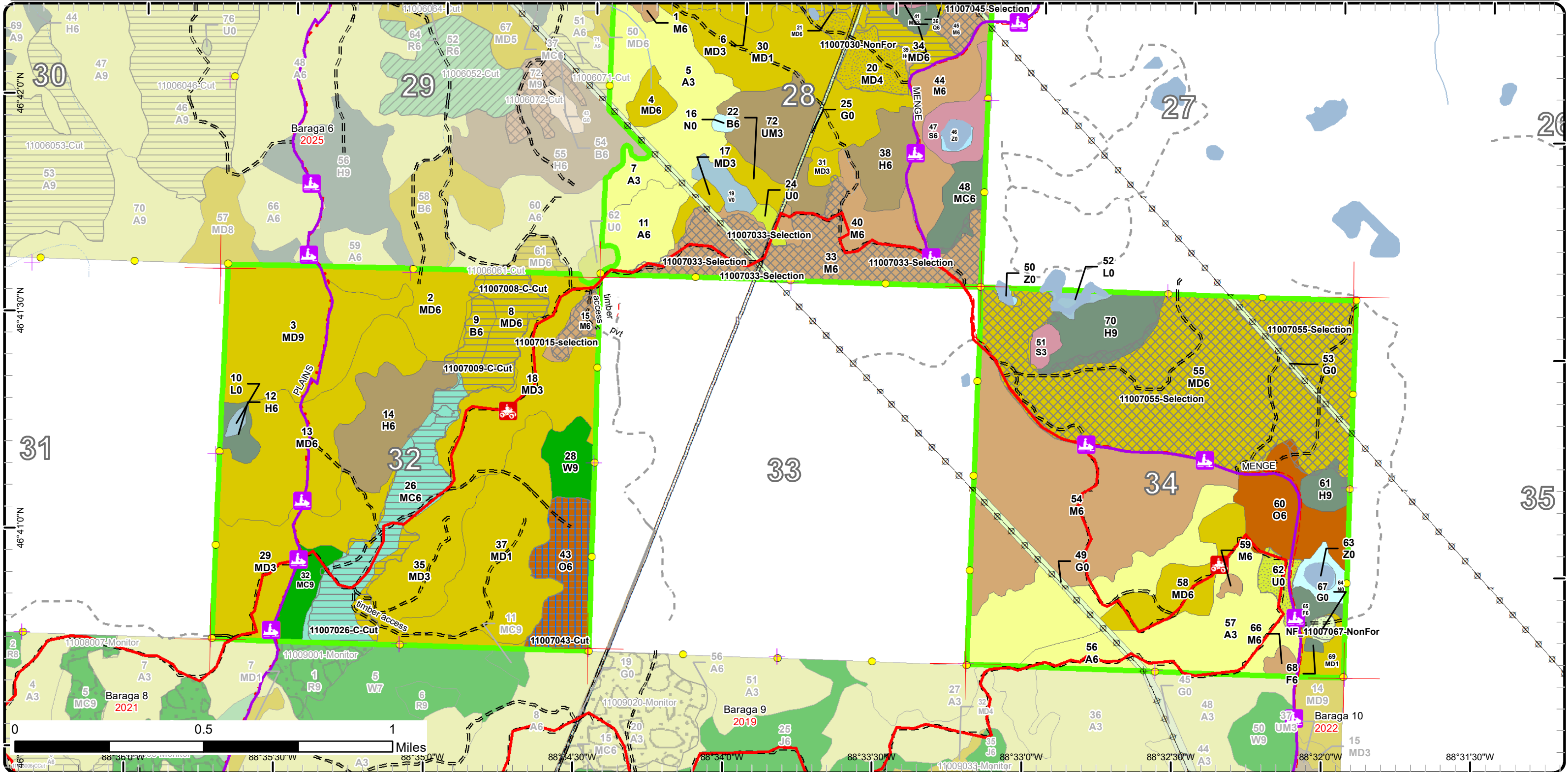


Cover Type & Treatments Map

Compartment: 7
 T50N, R34W, Sec. 28, 32, 34
 County: Baraga
 Unit: Baraga
 Mgmt Area: Keweenaw Bay
 YOE: 2023
 Acres: 1902.3 GIS Calculated
 Examiner: Fred Hansen
 Map Revised: 9/20/2023
 Map Phase: Post Review

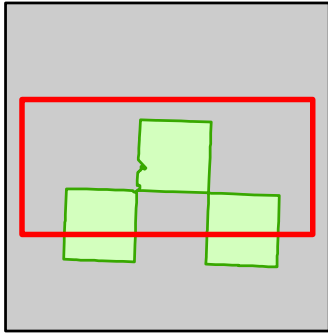


- Miris Corners
- + Remonumented Section Corners
- Survey Grade Corners
- Counties
- DNR - Secondary Forest Road
- DNR - Forest Access Route
- County - Gravel Road
- County - Dirt Road (Seasonal)
- Private - Paved Road
- Private - Dirt / Gravel Road
- 🚙 ORV Trails
- 🚙 Snowmobile Trails
- Designated ATV
- Designated Snowmobile Trails
- Intermittent Stream
- Island in Lake or River
- Lake/Pond
- Perennial River
- Lakes and Rivers
- Pipeline
- Powerline
- Compartment Boundary
- Selection (Group, Single Tree)
- Clearcut (w/Reserves)
- Seed Tree (w/Reserves)
- Mowing
- 411 - Northern Hardwood
- 412 - Oak Types
- 413 - Aspen
- 419 - Mixed Upland Deciduous
- 422 - Natural Pines
- 423 - Other Upland Conifers
- 429 - Mixed Upland Conifers
- 430 - Upland Mixed Forest
- 612 - Lowland Coniferous Forest
- 310 - Herbaceous Openland
- 330 - Low Density Trees
- 500 - Water
- 622 - Lowland Shrub
- 623 - Emergent Wetland

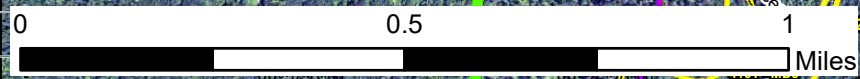
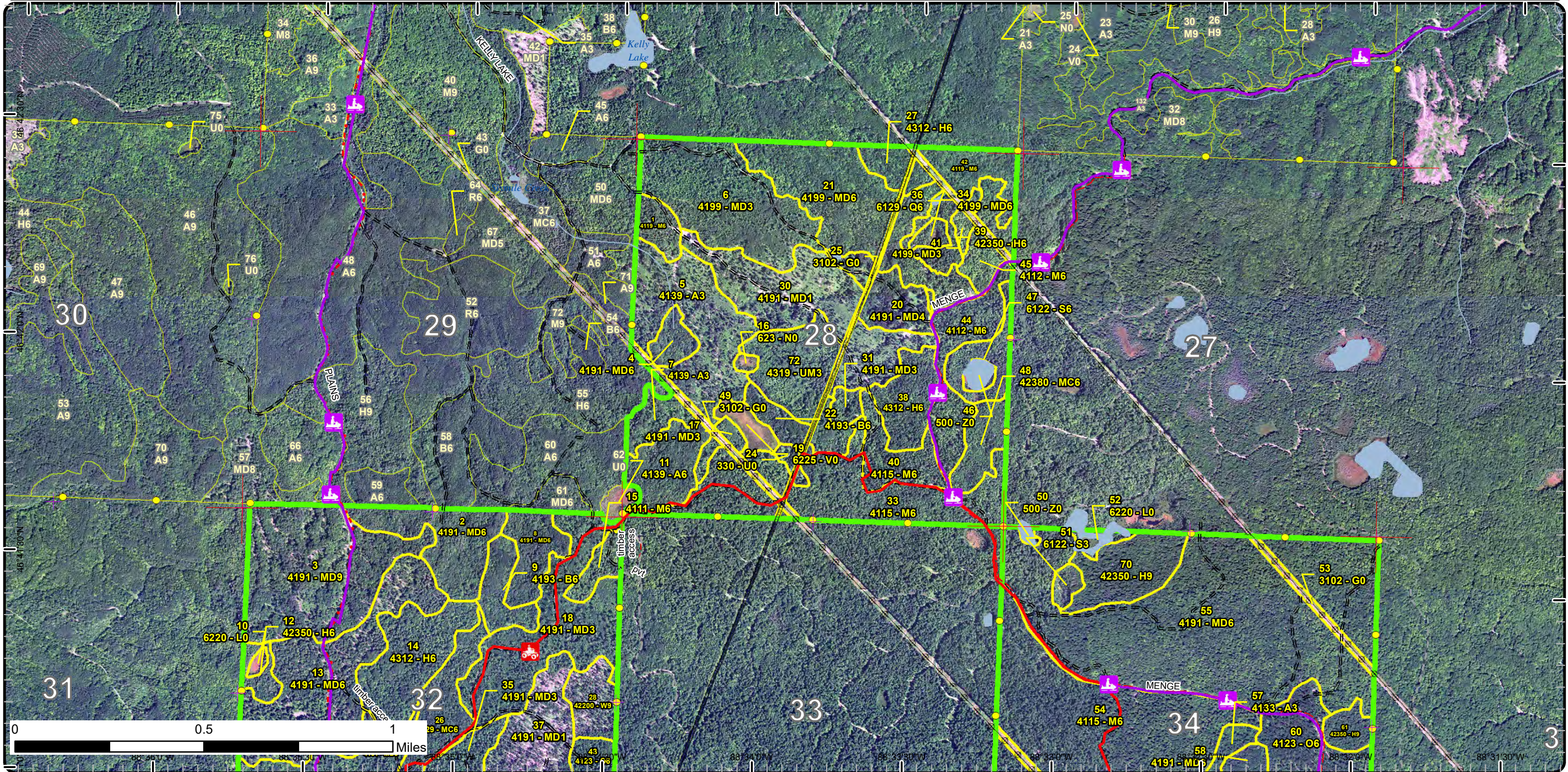


Stand Boundary Map

Compartment: 7
 T50N, R34W, Sec. 28, 32, 34
 County: Baraga
 Unit: Baraga
 Mgmt Area: Keweenaw Bay
 YOE: 2023
 Acres: 1902.3 GIS Calculated
 Examiner: Fred Hansen
 Map Revised: 9/20/2023
 Map Phase: Post Review

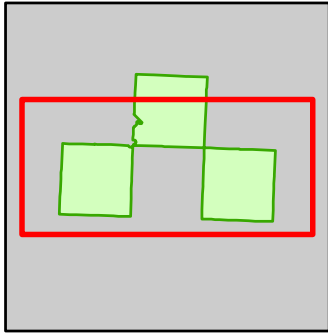


- | | | |
|---------------------------------|------------------------------|---------------------------------|
| — Miris Corners | — Island in Lake or River | 430 - Upland Mixed Forest |
| — Remonumented Section Corners | — Lake/Pond | 612 - Lowland Coniferous Forest |
| ● Survey Grade Corners | — Perennial River | 310 - Herbaceous Openland |
| — Counties | — Lakes and Rivers | 330 - Low Density Trees |
| — DNR - Forest Access Route | — Pipeline | 500 - Water |
| — County - Gravel Road | — Powerline | 622 - Lowland Shrub |
| — County - Dirt Road (Seasonal) | — Compartment Boundary | 623 - Emergent Wetland |
| — Private - Dirt / Gravel Road | — Stand Boundaries | |
| — ORV Trails | 411 - Northern Hardwood | |
| — Snowmobile Trails | 412 - Oak Types | |
| — Designated ATV | 413 - Aspen | |
| — Designated Snowmobile Trails | 419 - Mixed Upland Deciduous | |
| — Intermittent Stream | 422 - Natural Pines | |
| | 423 - Other Upland Conifers | |
| | 429 - Mixed Upland Conifers | |

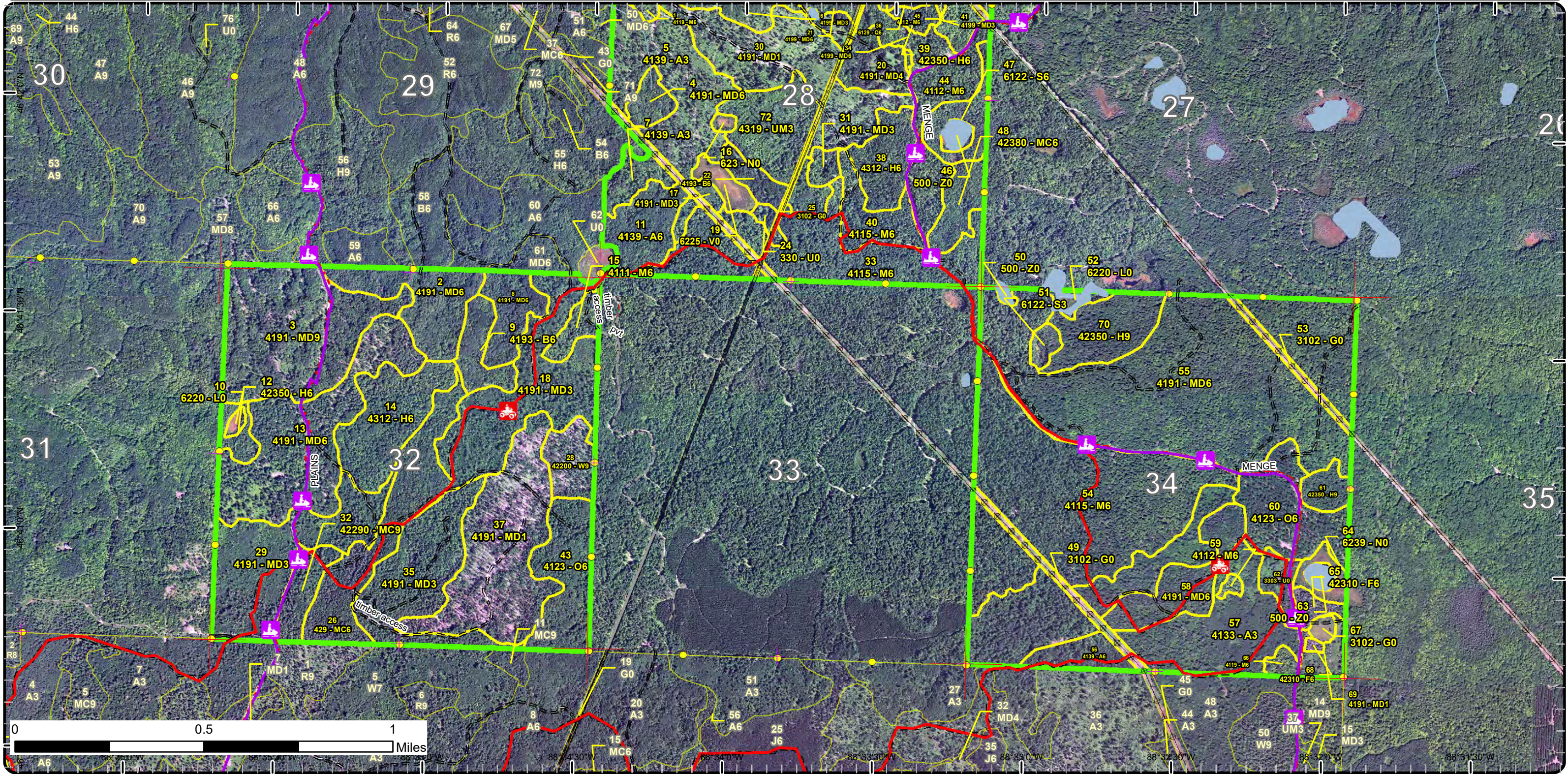


Stand Boundary Map

Compartment: 7
 T50N, R34W, Sec. 28, 32, 34
 County: Baraga
 Unit: Baraga
 Mgmt Area: Keweenaw Bay
 YOE: 2023
 Acres: 1902.3 GIS Calculated
 Examiner: Fred Hansen
 Map Revised: 9/20/2023
 Map Phase: Post Review

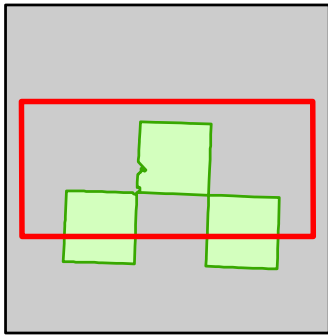


- | | | |
|--|---|--|
| <ul style="list-style-type: none"> Miris Corners Remonumented Section Corners Survey Grade Corners Counties DNR - Secondary Forest Road DNR - Forest Access Route County - Gravel Road County - Dirt Road (Seasonal) Private - Paved Road Private - Dirt / Gravel Road ORV Trails Snowmobile Trails Designated ATV | <ul style="list-style-type: none"> Designated Snowmobile Trails Intermittent Stream Island in Lake or River Lake/Pond Perennial River Lakes and Rivers Pipeline Powerline Compartment Boundary Stand Boundaries | <ul style="list-style-type: none"> 423 - Other Upland Conifers 429 - Mixed Upland Conifers 430 - Upland Mixed Forest 612 - Lowland Coniferous Forest 310 - Herbaceous Openland 330 - Low Density Trees 500 - Water 622 - Lowland Shrub 623 - Emergent Wetland |
|--|---|--|

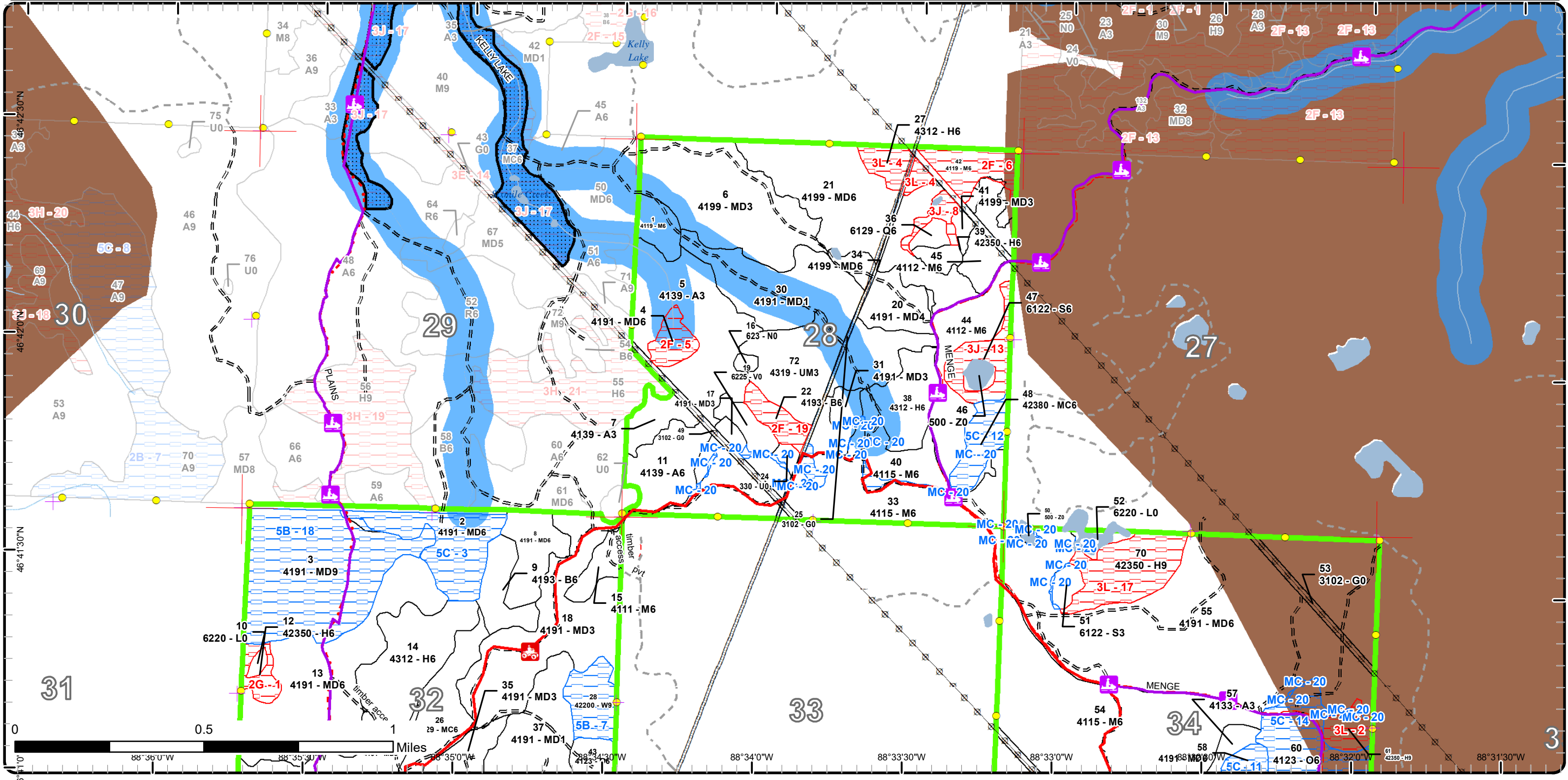


Special Conservation Areas

Compartment: 7
 T50N, R34W, Sec. 28, 32, 34
 County: Baraga
 Unit: Baraga
 Mgmt Area: Keweenaw Bay
 YOE: 2023
 Acres: 1902.3 GIS Calculated
 Examiner: Fred Hansen
 Map Revised: 9/20/2023
 Map Phase: Post Review

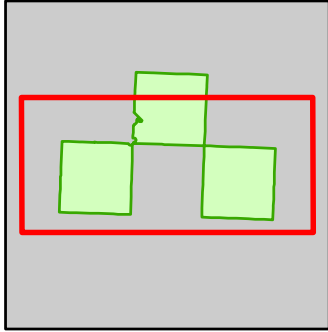


- Miris Corners
- + Remonumented Section Corners
- Survey Grade Corners
- Counties
- DNR - Forest Access Route
- County - Gravel Road
- County - Dirt Road (Seasonal)
- Private - Dirt / Gravel Road
- ORV Trails
- Snowmobile Trails
- Designated ATV
- Designated Snowmobile Trails
- Intermittent Stream
- Island in Lake or River
- Lake/Pond
- Perennial River
- Lakes and Rivers
- Pipeline
- Powerline
- Compartment Boundary
- Available w/ Constraints
- Unavailable
- 2F: Too steep
- 2G: Too wet (sensitive soils, does not include access issues)
- 3J: Water quality / BMPs (stream, river, or lake)
- 3L: Other wildlife concerns
- Stand Boundaries
- SCA
- Cold Water Streams
- High Priority Trout Stream Buffer
- Deer Winter Range
- Riparian Area

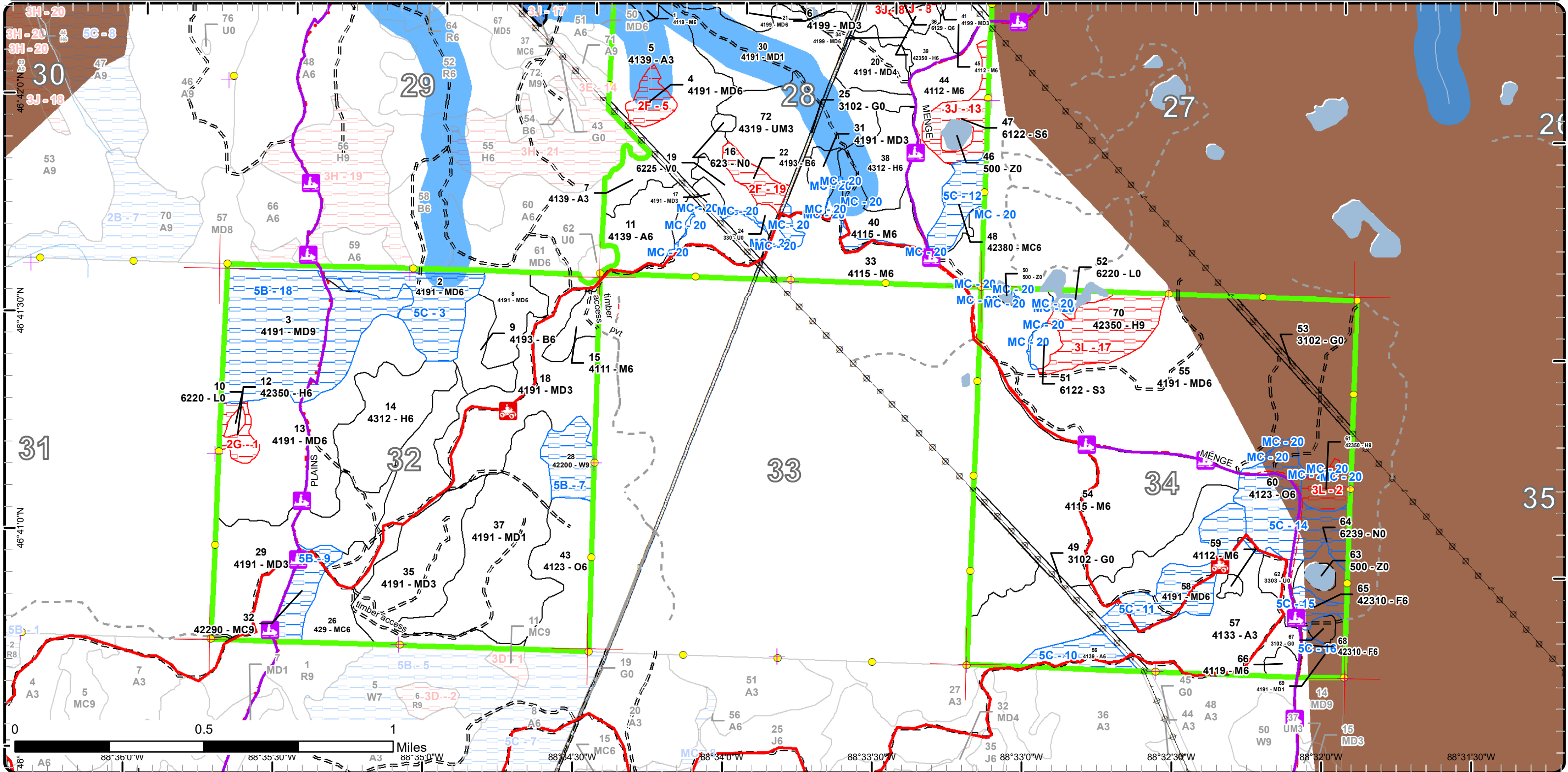


Special Conservation Areas

Compartment: 7
 T50N, R34W, Sec. 28, 32, 34
 County: Baraga
 Unit: Baraga
 Mgmt Area: Keweenaw Bay
 YOE: 2023
 Acres: 1902.3 GIS Calculated
 Examiner: Fred Hansen
 Map Revised: 9/20/2023
 Map Phase: Post Review



- Miris Corners
- + Remonumented Section Corners
- Survey Grade Corners
- Counties
- DNR - Secondary Forest Road
- DNR - Forest Access Route
- County - Gravel Road
- County - Dirt Road (Seasonal)
- Private - Paved Road
- Private - Dirt / Gravel Road
- 🚙 ORV Trails
- 🚙 Snowmobile Trails
- Designated ATV
- Designated Snowmobile Trails
- Intermittent Stream
- Island in Lake or River
- Lake/Pond
- Perennial River
- Lakes and Rivers
- Pipeline
- Powerline
- Compartment Boundary
- Available w/ Constraints
- 5B: Maintain for regeneration purposes
- 5C: Delay treatment for age/size class diversity or exceptional site quality
- Unavailable
- 2F: Too steep
- 2G: Too wet (sensitive soils, does not include access issues)
- 3J: Water quality / BMPs (stream, river, or lake)
- 3L: Other wildlife concerns
- Stand Boundaries
- Cold Water Streams
- High Priority Trout Stream Buffer
- Deer Winter Range



Report 1 – Total Acres by Cover Type and Age Class



Age Class

	Non-Forest	0-9	10-19	20-29	30-39	40-49	50-59	60-69	70-79	80-89	90-99	100-109	110-119	120-129	130-139	140-149	150+	Uneven-Aged	Total
Aspen	0	0	64	109	0	23	12	0	0	0	0	0	0	0	0	0	0	0	208
Bog	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7
Hemlock	0	0	0	0	0	0	0	0	0	38	10	0	36	0	0	0	0	36	120
Herbaceous Openland	33	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	33
Low-Density Trees	12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	12
Lowland Conifers	0	0	0	0	0	0	0	0	0	4	0	0	0	0	0	0	0	0	4
Lowland Shrub	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6
Lowland Spruce/Fir	0	0	0	0	0	0	0	0	0	19	0	0	0	0	0	0	0	0	19
Marsh	8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8
Mixed Upland Deciduous	0	83	240	73	0	20	0	0	0	48	19	18	28	0	0	0	0	405	934
Natural Mixed Pines	0	0	0	0	0	0	0	0	0	0	0	14	0	0	0	0	0	0	14
Northern Hardwood	0	0	0	0	0	0	0	0	0	0	0	29	0	0	0	0	0	289	317
Oak	0	0	0	0	0	0	0	0	0	0	0	37	33	0	0	0	0	0	70
Paper Birch	0	0	0	0	0	0	8	0	0	14	0	0	0	0	0	0	0	0	22
Upland Conifers	0	0	0	0	0	0	0	0	0	48	0	0	0	0	0	0	0	15	62
Upland Mixed Forest	0	0	0	36	0	0	0	0	0	0	0	0	0	0	0	0	0	0	36
Upland Spruce/Fir	0	0	0	0	0	0	0	6	0	0	0	0	0	0	0	0	0	0	6
Water	8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8
White Pine	0	0	0	0	0	0	0	0	0	0	0	15	0	0	0	0	0	0	15
Total	74	83	304	218	0	43	20	6	0	171	29	84	126	0	0	0	0	745	1901



Report 2 – Treatment Summary

Baraga Mgt. Unit

Year of Entry: 2023

Acres of Harvest

Compartment 7

Total Compartment Acres: 1,902

Commercial Harvest - 493
 Harvests with Site Condition - 0
 Next Step Harvest - 0
 Habitat Cut - 0

Cover Type by Harvest Method

	Clearcut	Selection	Patch Clearcut	Seed Tree	Shelterwood	Thinning	Overstory Removal	Salvage	Other	Total Acres
Mixed Upland Deciduous	83	218	0	0	0	0	0	0	0	301
Northern Hardwood	0	93	0	0	0	0	0	0	0	93
Oak	0	0	0	33	0	0	0	0	0	33
Paper Birch	14	0	0	0	0	0	0	0	0	14
Upland Conifers	51	0	0	0	0	0	0	0	0	51
Total	149	310	0	33	0	0	0	0	0	493

Proposed and Next Step Treatments by Method

	Harvest	Site Prep	Planting	Seeding	Burning	Pesticide	Monitoring	Other	Non-Forest Mgt.	Total Acres
Current	493	0	0	0	0	0	0	30	0	523
Next Step	0	0	0	0	0	0	493	0	0	493
Total	493	0	0	0	0	0	493	30	0	1015



S
t
a
n
d

Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
----------------	-------	-----------------	--------------	-----------	----------	----------------	------------------	----------------------	---------------	-------------

Approved Treatments:

8	11007008-C-Cut	18.1	4191 - Mixed Upland Deciduous with Conifer	Poletimber Well	101	111-140	Harvest	Clearcut with Retention	4199 - Other Mixed Upland Deciduous	Even-Aged	No
<p><u>Prescription</u> Harvest all species down to 4.6 inches DBH except hemlock, red Pine, white pine, cedar and oak.. Also reserve all trees 22" Dbh or greater. Exclude paper birch along boundary line for a seed source.</p> <p><u>Specs:</u></p> <p><u>Next Step</u> Monitoring, Natural Regen (Re-Inventory)</p> <p><u>Treatments:</u></p> <p><u>Acceptable</u> Any combination of the original stand's over story species prior to harvest.</p> <p><u>Regen:</u></p> <p><u>Other</u> Retention for this stand will be greater than 3% and will consist of reserve tree species.</p> <p><u>Comment:</u></p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2022</p>											
9	11007009-C-Cut	14.4	4193 - Birch, Aspen	Poletimber Well	80	111-140	Harvest	Clearcut with Retention	4199 - Other Mixed Upland Deciduous	Even-Aged	No
<p><u>Prescription</u> Harvest all species down to 4.6 inches DBH except hemlock, red Pine, white pine, cedar and oak.. Also reserve all trees 22" Dbh or greater. Exclude paper birch along boundary line for a seed source.</p> <p><u>Specs:</u></p> <p><u>Next Step</u> Monitoring, Natural Regen (Re-Inventory)</p> <p><u>Treatments:</u></p> <p><u>Acceptable</u> Any combination of the original stand's over story species prior to harvest.</p> <p><u>Regen:</u></p> <p><u>Other</u> Retention for this stand will be greater than 3% and will consist of reserve tree species.</p> <p><u>Comment:</u></p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2022</p>											
15	11007015-selection	6.9	4111 - S.Maple, Hard Mast Association	Poletimber Well	111	81-110	Harvest	Single Tree Selection	411 - Northern Hardwood	Uneven-Aged	No
<p><u>Prescription</u> Selectively thin hardwoods to 70-90 square feet of basal area. Favor oak, hemlock, white pine and cedar where present. Oak should be released on 3 sides to an average BA of 60 sqft. Where 30 sqft or more of hemlock occurs thin to less than 100 sqft of BA. Follow all guidelines set forth in "The Complete Marker".</p> <p><u>Specs:</u></p> <p><u>Next Step</u> Monitoring, Natural Regen (Re-Inventory)</p> <p><u>Treatments:</u></p> <p><u>Acceptable</u> Any combination of the original stand's over story species prior to harvest.</p> <p><u>Regen:</u></p> <p><u>Other</u> Retention for this stand will be greater than 3% and will consist of tree species of the dominant cover type and reserve tree species.</p> <p><u>Comment:</u></p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2022</p>											



S
t
a
n
d

Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
----------------	-------	-----------------	--------------	-----------	----------	----------------	------------------	----------------------	---------------	-------------

21	11007021-C-Cut	46.3	4199 - Other Mixed Upland Deciduous	Poetimber Well	88	81-110	Harvest	Clearcut with Retention	4199 - Other Mixed Upland Deciduous	Even-Aged	No
-----------	-----------------------	------	-------------------------------------	----------------	----	--------	---------	-------------------------	-------------------------------------	-----------	----

Prescription Specs: Harvest all species down to 4.6 inches DBH except hemlock, red Pine, white pine, cedar and oak.. Also reserve all trees 22" Dbh or greater. Exclude paper birch along boundary line for a seed source.

Next Step Treatments: Monitoring, Natural Regen (Re-Inventory)

Acceptable Regen: Any combination of the original stand's over story species prior to harvest.

Other Comment: Retention for this stand will be greater than 3% and will consist of reserve tree species.

Site Condition

Proposed Start Date: 10/1 /2022

26	11007026-C-Cut	51.4	429 - Mixed Upland Conifers	Poetimber Well	80	111-140	Harvest	Clearcut with Retention	429 - Mixed Upland Conifers	Even-Aged	No
-----------	-----------------------	------	-----------------------------	----------------	----	---------	---------	-------------------------	-----------------------------	-----------	----

Prescription Specs: Harvest all species down to 4.6 inches DBH except hemlock, red Pine, white pine, cedar and oak.. Also reserve all trees 22" Dbh or greater. Exclude paper birch along boundary line for a seed source.

Next Step Treatments: Monitoring, Natural Regen (Re-Inventory)

Acceptable Regen: Any combination of the original stand's over story species prior to harvest.

Other Comment: Retention for this stand will be greater than 3% and will consist of reserve tree species. In sale proposal, add a spec about ORV trail.

Site Condition

Proposed Start Date: 10/1 /2022

20	11007030-NonFor	19.4	4191 - Mixed Upland Deciduous with Conifer	Poetimber Poor	42	1-50	NonForestMgt	Mowing	3102 - Grass		No
-----------	------------------------	------	--	----------------	----	------	--------------	--------	--------------	--	----

Prescription Specs: Wildlife: Grass/non forested - area has somewhat grown in but good small openings till exist through out. FTP to mechanically spot treat with hydro mower to remove woody encroachment and maintain partial open land condition, possible plant a few persistent fruiting apples with adequate protection via local sportsmen's club participation. Mechanically spot treat up to 50% of stand.

Next Step Treatments:

Acceptable Regen:

Other Comment: Old next step comments: We recommend that stand gets mowed every 5-10 years to maintain opening.

Site Condition

Proposed Start Date: 10/1 /2022



S
t
a
n
d

Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
33 11007033-Selection	70.8	4115 - Y.Birch, Hemlock NH	Poletimber Well	111	81-110	Harvest	Single Tree Selection	411 - Northern Hardwood	Uneven-Aged	No
<p><u>Prescription</u> Selectively thin hardwoods to 70-90 square feet of basal area. Favor oak, hemlock, white pine and cedar where present. Oak should be released on 3 sides to an average BA of 60 sqft. Where 30 sqft or more of hemlock occurs thin to less than 100 sqft of BA. Around areas of heavy Hemlock, open up the drip edge to encourage hemlock seedling establishment. Follow all guidelines set forth in "The Complete Marker". Restrict cutting to July 15-December 1 to increase ground scarification.</p> <p><u>Specs:</u></p> <p><u>Next Step</u> Monitoring, Natural Regen (Re-Inventory)</p> <p><u>Treatments:</u></p> <p><u>Acceptable Regen:</u> Any combination of the original stand's over story species prior to harvest.</p> <p><u>Other Comment:</u> Retention for this stand will be greater than 3% and will consist of reserve tree species. In sale proposal, add a spec to encourage large tops to be left and the ORV spec.</p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2022</p>										
34 11007034-C-Cut	18.9	4199 - Other Mixed Upland Deciduous	Poletimber Well	97	81-110	Harvest	Clearcut with Retention	4199 - Other Mixed Upland Deciduous	Even-Aged	No
<p><u>Prescription</u> Harvest all species down to 4.6 inches DBH except hemlock, red Pine, white pine, cedar and oak.. Also reserve all trees 22" Dbh or greater. Exclude paper birch along boundary line for a seed source.</p> <p><u>Specs:</u></p> <p><u>Next Step</u> Monitoring, Natural Regen (Re-Inventory)</p> <p><u>Treatments:</u></p> <p><u>Acceptable Regen:</u> Any combination of the original stand's over story species prior to harvest.</p> <p><u>Other Comment:</u> Retention for this stand will be greater than 3% and will consist of reserve tree species.</p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2022</p>										
43 11007043-Cut	33.4	4123 - Red Oak	Poletimber Well	112	81-110	Harvest	Seed Tree	412 - Oak Types	Two-Aged	No
<p><u>Prescription</u> Harvest all species down to 4.6 inches DBH except hemlock and white pine and marked red oak. Leave tree mark red oak (4-8 per acre).</p> <p><u>Specs:</u></p> <p><u>Next Step</u> Monitoring, Natural Regen (Re-Inventory)</p> <p><u>Treatments:</u></p> <p><u>Acceptable Regen:</u> Any combination of the original stand's over story species prior to harvest.</p> <p><u>Other Comment:</u> Retention for this stand will be greater than 3% and will consist of tree species of the dominant cover type and reserve tree species.</p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2029</p>										



S
t
a
n
d

Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
----------------	-------	-----------------	--------------	-----------	----------	----------------	------------------	----------------------	---------------	-------------

45	11007045-Selection	15.0	4112 - Maple, Beech, Cherry Association	Poletimber Well	111	81-110	Harvest	Single Tree Selection	411 - Northern Hardwood	Uneven-Aged	No
-----------	---------------------------	------	---	-----------------	-----	--------	---------	-----------------------	-------------------------	-------------	----

Prescription Specs: Selectively thin hardwoods to 70-90 square feet of basal area. Favor oak, hemlock, white pine and cedar where present. Oak should be released on 3 sides to an average BA of 60 sqft. Where 30 sqft or more of hemlock occurs thin to less than 100 sqft of BA. Around areas of heavy Hemlock, open up the drip edge to encourage hemlock seedling establishment. Follow all guidelines set forth in "The Complete Marker".

Next Step Treatments: Monitoring, Natural Regen (Re-Inventory)

Acceptable Regen: Any combination of the original stand's over story species prior to harvest.

Other Comment: Retention for this stand will be greater than 3% and will consist of tree species of the dominant cover type and reserve tree species.

Site Condition

Proposed Start Date: 10/1 /2022

55	11007055-Selection	217.5	4191 - Mixed Upland Deciduous with Conifer	Poletimber Well	111	111-140	Harvest	Single Tree Selection	4199 - Other Mixed Upland Deciduous	Uneven-Aged	No
-----------	---------------------------	-------	--	-----------------	-----	---------	---------	-----------------------	-------------------------------------	-------------	----

Prescription Specs: Selectively thin hardwoods to 70-90 square feet of basal area. Favor oak, hemlock, white pine and cedar where present. Oak should be released on 3 sides to an average BA of 60 sqft. Where 30 sqft or more of hemlock occurs thin to less than 100 sqft of BA. Around areas of heavy Hemlock, open up the drip edge to encourage hemlock seedling establishment. Follow all guidelines set forth in "The Complete Marker". Restrict cutting to July 15-December 1 to increase ground scarification.

Next Step Treatments: Monitoring, Natural Regen (Re-Inventory)

Acceptable Regen: Any combination of the original stand's over story species prior to harvest.

Other Comment: Retention for this stand will be greater than 3% and will consist of tree species of the dominant cover type and reserve tree species. In sale proposal, add a spec to encourage large tops to be left and the ORV spec.

Site Condition

Proposed Start Date: 10/1 /2022

62	NF_11007062-NonFor	8.3	3303 - Mixed Low Density Trees	Nonstocked			Unspec ified	NonForestMgt	Mowing	3102 - Grass	No
-----------	---------------------------	-----	--------------------------------	------------	--	--	--------------	--------------	--------	--------------	----

Prescription Specs: Wildlife:69 grass- mechanically spot treat with hydro mower to remove woody encroachment and maintain open land condition, reserve possibility to plant to grass/grains mix and annually mow/maintain, possible plant a few persistent fruiting apples with adequate protection via local sportsmen's club participation

Next Step Treatments:

Acceptable Regen:

Other Comment:

Site Condition

Proposed Start Date: 10/1 /2022



S
t
a
n
d

Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
----------------	-------	-----------------	--------------	-----------	----------	----------------	------------------	----------------------	---------------	-------------

67	NF_11007067-NonFor	2.1	3102 - Grass	Nonstocked		Unspecified	NonForestMgt	Mowing	3102 - Grass	No
----	--------------------	-----	--------------	------------	--	-------------	--------------	--------	--------------	----

Prescription 69 grass- mechanically spot treat with hydro mower to remove woody encroachment and maintain open land condition, reserve possibility to plant to grass/grains mix and annually mow/maintain, possible plant a few persistent fruiting apples with adequate protection via local sportsmen's club participation

Specs:

Next Step

Treatments:

Acceptable

Regen:

Other

Comment:

Site Condition

Proposed Start Date: 10/1 /2022

Total Treatment Acreage Proposed: 522.5

Report 4 – Site Conditions

Baraga Mgt. Unit
Fred Hansen : Examiner

Compartment: 7
Year of Entry: 2023

Availability for Management

Total Acres	Acres Available	Acres With Condition	Acres Not Available
208	196	12	0
7	7	0	0
120	63	0	57
33	33	0	0
12	12	0	0
4	4	0	0
6	6	0	0
19	4	0	14
8	8	0	0
934	818	109	8
14	0	14	0
317	295	7	15
70	33	37	0
23	14	0	8
63	49	13	0
36	36	0	0
6	0	6	0
8	8	0	0
15	0	15	0
1,902	1,587	212	103
	83%	11%	5%

Dominant Site Conditions

	Availability for Management			Dominant Site Conditions						
	Acres Available	Acres With Condition	Acres Not Available	5B	5C	MC	2F	2G	3J	3L
Aspen					12					
Bog										
Hemlock								6	5	46
Herbaceous Openland							0			0
Low-Density Trees										
Lowland Conifers										
Lowland Shrub										
Lowland Spruce/Fir									14	
Marsh										
Mixed Upland Deciduous				78	30	1	8		0	0
Natural Mixed Pines				14						
Northern Hardwood					0	7	15			
Oak					37					
Paper Birch							8			
Upland Conifers					13				0	
Upland Mixed Forest										
Upland Spruce/Fir					6					
Water										
White Pine				15						
Total Forested Acres				106	98	8	31	6	19	46
Relative Percent										

**Due to limitations in the current Site Conditions Analysis tool, all nonforested acres are considered available. Future development will enable analysis of nonforested types.*

Site No.	Dominant Site Cond Availability	Dominant Site Condition	Acres	Other Site Condition	Other Site Condition	Other Site Condition	Other Site Condition
1	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	6	5E: Long-Term Retention	3L: Other wildlife concerns	Unspecified	Unspecified
Comments:							

Report 4 – Site Conditions

Baraga Mgt. Unit
Fred Hansen : Examiner

Compartment: 7
Year of Entry: 2023

2	Unavailable	3L: Other wildlife concerns	8	Unspecified	Unspecified	Unspecified	Unspecified
Comments: WLD does not permit the harvest of stands with this species composition.							
3	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	29	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
4	Unavailable	3L: Other wildlife concerns	10	Unspecified	Unspecified	Unspecified	Unspecified
Comments: WLD does not permit the harvest of stands with this species composition.							
5	Unavailable	2F: Too steep	8	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
6	Unavailable	2F: Too steep	15	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
7	Available	5B: Maintain for regeneration purposes	15	Unspecified	Unspecified	Unspecified	Unspecified
Comments: 2021: Aspen and hdwd was removed and pine was selectively thinned in 2014, Mixed up Moose. Monitor for pine regeneration.							
8	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	5	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

Report 4 – Site Conditions

Baraga Mgt. Unit
Fred Hansen : Examiner

Compartment: 7
Year of Entry: 2023

9	Available	5B: Maintain for regeneration purposes	14	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
10	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	12	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
11	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	28	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
12	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	13	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
13	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	14	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
14	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	37	5B: Maintain for regeneration purposes	Unspecified	Unspecified	Unspecified
Comments:							

Report 4 – Site Conditions

Baraga Mgt. Unit
Fred Hansen : Examiner

Compartment: 7
Year of Entry: 2023

15	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	5	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
16	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	1	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
17	Unavailable	3L: Other wildlife concerns	28	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Per request from Wildlife division this stand was split from adjacent stand to preserve the structure on the stand.							
18	Available	5B: Maintain for regeneration purposes	78	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
19	Unavailable	2F: Too steep	8	3J: Water quality / BMPs (stream, river, or lake)	Unspecified	Unspecified	Unspecified
Comments:							
20	Available	Minor Change in Acreage	8				
Comments:							

Mgt. Unit

Compartment: #Type!

Year of Entry:



Report 5 – PROPOSED SPECIAL CONSERVATION AREA* (SCA) DETAILS

* This is a partial list of SCAs for this compartment. Not included are those areas identified under other Department initiatives (Natural Rivers, Deer Wintering Areas, etc.). Those will be identified in separate, future map and report products.

SCA Name	SCA Category	Detail Type	Recommendation	Acres
----------	--------------	-------------	----------------	-------

Comments



Report 6 – EXISTING SPECIAL CONSERVATION AREA DETAILS

* This is a list of SCA's for this compartment along with a 1/4 mile buffer surrounding the compartment. Refer to the Special Conservation Area Map for locations of the below listed Conservation Areas.

ERA = Ecological Reference Area
HCVA = High Conservation Value Area
SCA = Special Conservation Area

Conservation Area	Type	Description
SCA	Habitat Area	An area that provide some specific need for the life cycle of wildlife species, including State Wildlife Areas and Waterfowl Production Areas, deer wintering complexes in lowland conifer communities, grassland openings and savannas. Habitat areas are distinct from critical habitat designated for recovery of endangered or threatened species (such as Kirtland's warbler or piping plover areas) in that they are more general in nature, are not primarily associated with threatened or endangered species, and are not covered by species recovery plans that are developed in cooperation with Federal agencies.
SCA	Riparian Area	A transitional area between aquatic and terrestrial ecosystems in which the terrestrial ecosystem influences the aquatic ecosystem and vice-versa. Because of the unique conditions adjacent to lakes, streams and open water wetlands, riparian areas harbor a high diversity of plants and wildlife. Riparian communities are ecologically and socially significant in their effects on water quality and quantity, as well as aesthetics, habitat, bank stability, timber production, and their contribution to overall biodiversity.



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
-------	--------------------	--------------	-------	-----------	----------	--------------	------------------

1	4119 - Mixed Northern Hardwoods	Poletimber Well	9.1	111	51-80	N/A	Heavy deer browse 2021: spooky Hills, unit 1, cut in 2014. Selection cut.
----------	---------------------------------	-----------------	-----	-----	-------	-----	--

Canopy Species	% Cover	Size Class	DBH	Age
Sugar Maple	25	Pole	7	
Paper Birch	5	Pole	6	
Hemlock	8	Log	12	
Red Oak	15	Log	14	
Yellow Birch	5	Pole	6	
White Pine	2	Log	16	
Red Maple	40	Pole	7	111

Sub-Canopy Species	Density	Avg. Height	Size
Quaking Aspen	Medium	5 - 10 feet	Sapling
Red Maple	Full	Variable	Sapling
Hemlock	Medium	Variable	Sapling

2	4191 - Mixed Upland Deciduous with Conifer	Poletimber Well	33.0	111	141-170	N/A	2011: Hemlock on top of ridges, Maple on bottoms, Some steep slopes and drainages. Access is from the north. cut with adjacent compartment when it is ready.
----------	--	-----------------	------	-----	---------	-----	--

Canopy Species	% Cover	Size Class	DBH	Age
Red Oak	20	Log/Pole	10	
Paper Birch	5	Pole	7	
Quaking Aspen	5	Log	12	
Sugar Maple	15	Pole	6	
Red Maple	15	Pole	6	
Hemlock	30	Log	14	111
Yellow Birch	8	Pole	6	
White Pine	2	Log	16	

Sub-Canopy Species	Density	Avg. Height	Size
Maple (spp.)	Full	Variable	Sapling
Yellow Birch	High	< 5 feet	Sapling
Hemlock	Full	>20 feet	Sapling
Balsam Fir	Full	Variable	Sapling
Leatherleaf	High	10 - 20 feet	Tall Shrub

3	4191 - Mixed Upland Deciduous with Conifer	Sawtimber Well	79.2	111	111-140	N/A	2011: Hemlock on top of ridges, Maple on bottoms.2021: Bohmier Bluffs, unit 1, selection cut in 2015, Bottom of gullies were marked out to open canopy roe regeneration.
----------	--	----------------	------	-----	---------	-----	--

Canopy Species	% Cover	Size Class	DBH	Age
Paper Birch	1	Pole	7	
Red Maple	15	Pole	6	
Yellow Birch	8	Pole	6	
Sugar Maple	15	Pole	6	
White Pine	2	Log	16	
Red Oak	28	Log/Pole	10	
Hemlock	30	Log	14	111
Quaking Aspen	1	Log/Pole	12	

Sub-Canopy Species	Density	Avg. Height	Size
Balsam Fir	Full	Variable	Sapling
Hemlock	Full	Variable	Sapling
Yellow Birch	High	< 5 feet	Sapling
Maple (spp.)	Full	Variable	Sapling



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
-------	--------------------	--------------	-------	-----------	----------	--------------	------------------

4 4191 - Mixed Upland Deciduous with Conifer Poletimber Well 8.1 111 111-140 N/A steep

Canopy Species	% Cover	Size Class	DBH	Age
White Pine	3	Log	11	
Sugar Maple	20	Pole	6	
Hemlock	30	Log	13	111
Yellow Birch	5	Pole	6	
Red Oak	10	Log	10	
Quaking Aspen	5	Pole/Log	7	
Paper Birch	5	Pole/Log	7	
Red Maple	20	Pole	6	
Red Oak	2	Log	12	

Sub-Canopy Species	Density	Avg. Height	Size
Maple (spp.)	Full	Variable	Pole
Hemlock	High	Variable	Pole

5 4139 - Aspen, Mixed Deciduous Sapling Well 54.0 10 Immature N/A 2011:steep slopes2021: Spooky Hills, unit 2, Clear-cut in 2013.

Canopy Species	% Cover	Size Class	DBH	Age
White Pine	2	Log	12	96
Quaking Aspen	53	Sapling	1	10
Paper Birch	10	Sapling	1	10
Red Oak	10	Log	12	96
Red Oak	5	Sapling	1	10
Red Maple	20	Sapling	1	10

Sub-Canopy Species	Density	Avg. Height	Size
White Pine	Low	5 - 10 feet	Sapling
Hemlock	Medium	10 - 20 feet	Sapling

6 4199 - Other Mixed Upland Deciduous Sapling Well 64.4 28 Immature N/A 2011: Heavy deer browse. Just harvested a few years ago and regenerating saplings, enough to be forested but not record BA yet (2011).

Canopy Species	% Cover	Size Class	DBH	Age
White Pine	2	Log	12	
Red Oak	10	Log	12	
Hemlock	10	Pole	5	
Red Oak	20	Sapling	2	
Paper Birch	15	Sapling	2	
Quaking Aspen	10	Sapling	2	
White Spruce	2	Sapling	2	
Balsam Fir	3	Sapling	2	
Red Maple	25	Sapling	2	28
White Pine	3	Sapling	2	

7 4139 - Aspen, Mixed Deciduous Sapling Well 10.3 17 Immature N/A 2011: Heavy deer browse. Just harvested a few years ago and regenerating saplings, enough to be forested but not record BA yet (2011).
ORV Birch, c-cut in 2005, unit 6.

Canopy Species	% Cover	Size Class	DBH	Age
Red Oak	15	Pole/Log/Sap	10	
Quaking Aspen	45	Sapling	1	17
Hemlock	5	Sapling	3	
Red Maple	35	Sapling	1	17



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
-------	--------------------	--------------	-------	-----------	----------	--------------	------------------

8	4191 - Mixed Upland Deciduous with Conifer	Poletimber Well	18.1	101	111-140	N/A	
---	--	-----------------	------	-----	---------	-----	--

Canopy Species	% Cover	Size Class	DBH	Age
Paper Birch	25	Pole	8	
White Pine	5	Log	16	
Hemlock	35	Log	15	101
Red Maple	10	Pole	7	
Red Oak	10	Log	14	
Quaking Aspen	15	Log	13	

Sub-Canopy Species	Density	Avg. Height	Size
Maple (spp.)	Full	Variable	Sapling
Hemlock	Full	Variable	Pole

9	4193 - Birch, Aspen	Poletimber Well	14.4	80	111-140	N/A	
---	---------------------	-----------------	------	----	---------	-----	--

Canopy Species	% Cover	Size Class	DBH	Age
Hemlock	2	Log	16	
Sugar Maple	3	Pole	5	
Quaking Aspen	30	Log	12	
Paper Birch	35	Pole	8	80
Red Maple	10	Log	6	
Red Oak	20	Log/Pole	10	

Sub-Canopy Species	Density	Avg. Height	Size
Hemlock	Low	10 - 20 feet	Sapling
Balsam Fir	Full	10 - 20 feet	Sapling
Red Maple	Full	Variable	Sapling

10	6220 - Alder/willow	Nonstocked	1.6		Unspecified	No	
----	---------------------	------------	-----	--	-------------	----	--

11	4139 - Aspen, Mixed Deciduous	Poletimber Well	23.1	49	51-80	N/A	2021: Did not physically look at in 2021.
----	-------------------------------	-----------------	------	----	-------	-----	---

Canopy Species	% Cover	Size Class	DBH	Age
Paper Birch	10	Sapling/Pole	5	
Red Pine	2	Log	16	
Hemlock	8	Pole	8	
Quaking Aspen	45	Sapling/Pole	5	49
Sugar Maple	10	Sapling/Pole	5	
Red Oak	10	Pole	10	
Red Maple	15	Sapling/Pole	5	

Sub-Canopy Species	Density	Avg. Height	Size
Balsam Fir	Full	>20 feet	Sapling
Hemlock	Medium	10 - 20 feet	Sapling

12	42350 - Upland Hemlock	Poletimber Well	6.3	111	111-140	N/A	Wet.
----	------------------------	-----------------	-----	-----	---------	-----	------

Canopy Species	% Cover	Size Class	DBH	Age
Red Oak	5	Pole/Log	8	
Paper Birch	5	Pole	6	
Red Maple	10	Pole	6	
Yellow Birch	5	Pole	5	
Hemlock	75	Log/Pole	12	111

Sub-Canopy Species	Density	Avg. Height	Size
Red Oak	Medium	>20 feet	Sapling
Hemlock	Full	Variable	Pole
Red Maple	High	Variable	Pole



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
-------	--------------------	--------------	-------	-----------	----------	--------------	------------------

13 4191 - Mixed Upland Deciduous with Conifer Poletimber Well 74.3 111 51-80 N/A 2021: Bohmier Bluffs, Selection cut in 2014, units 2 and 3.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Sugar Maple	15	Pole/Sapling	6		Maple (spp.)	Full	Variable	Sapling
Red Maple	15	Pole	6		Yellow Birch	Low	Variable	Pole
Red Oak	30	Log	14		Hemlock	Medium	>20 feet	Pole
Hemlock	32	Log	16	111	Balsam Fir	Full	10 - 20 feet	Sapling
Yellow Birch	8	Pole	6					

14 4312 - Hemlock, Mixed Deciduous Poletimber Well 37.9 80 1-50 N/A

2011: Thick patches of oak and hemlock, heavy deer browse. Bomier Birch.C-Cut in 1993. just harvested a few years ago and regenerating saplings, enough to be forested but not record BA yet (2011). canopy is made up of reserve trees from last harvest.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
White Pine	5	Log	16		Hemlock	Medium	Variable	Pole
Red Oak	50	Pole/Log	8	80	Red Oak	Medium	5 - 10 feet	Sapling
Red Pine	5	Log	16		Red Maple	Full	5 - 10 feet	Sapling
Hemlock	40	Log	17		Balsam Fir	Full	>20 feet	Sapling
					White Pine	Low	10 - 20 feet	Sapling
					Aspen (spp.)	Full	>20 feet	Sapling

15 4111 - S.Maple, Hard Mast Association Poletimber Well 8.3 111 81-110 N/A 2021: ORV Birch, Selection cut in 2004. 1/2 of stand last cut in 2004

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Sugar Maple	75	Pole/Log	8	111	Hemlock	Full	>20 feet	Pole
Paper Birch	3	Pole	8		Sugar Maple	Full	Variable	Sapling
Yellow Birch	2	Pole	7		Balsam Fir	Full	10 - 20 feet	Sapling
Red Oak	15	Pole/Log	10					
Hemlock	5	Log	16					

16 623 - Emergent Wetland Nonstocked 1.6 Unspecified No

17 4191 - Mixed Upland Deciduous with Conifer Sapling Well 5.0 20 Immature N/A 2011: Menge Mix, unit 5, C-cut in 2003. just harvested a few years ago and regenerating saplings, enough to be forested but not record BA yet (2011).

Canopy Species	% Cover	Size Class	DBH	Age
Red Oak	10	Log	8	
Paper Birch	15	Sapling	2	20
Hemlock	20	Log	14	
Quaking Aspen	20	Sapling	2	20
Red Maple	25	Sapling	2	20
Balsam Fir	5	Sapling	2	20
White Spruce	5	Sapling	2	20



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
-------	--------------------	--------------	-------	-----------	----------	--------------	------------------

18 4191 - Mixed Upland Deciduous with Conifer Sapling Well 65.7 19 Immature N/A 2011: ORV Birch, C-cut in 2003, Units 3 and 4, just harvested a few years ago and regenerating saplings, enough to be forested but not record BA yet (2011).

Canopy Species	% Cover	Size Class	DBH	Age
Paper Birch	10	Sapling	1	
Quaking Aspen	25	Sapling	1	19
Balsam Fir	10	Sapling	1	
Red Pine	2	Log	16	
Sugar Maple	15	Sapling	1	
Hemlock	5	Log	12	
Red Maple	15	Sapling	1	
White Pine	3	Log	16	
Red Oak	15	Log/Pole	10	112

19 6225 - Bog Nonstocked 7.3 Unspecified No

20 4191 - Mixed Upland Deciduous with Conifer Poletimber Poor 19.6 42 1-50 N/A 2021: old homestead, maintain opening , Possible chip job. Stand was NF converting to forested. WTF planted various fruit trees in 2012 and did some brushing.

Canopy Species	% Cover	Size Class	DBH	Age
White Pine	5	Log	16	
Black Cherry	10	Pole/Sapling	3	
Apple (spp.)	15	Sapling	2	
Quaking Aspen	25	Pole	5	42
Paper Birch	15	Sapling	3	
Red Maple	10	Pole/Sapling	4	
Balsam Fir	5	Pole	5	
White Spruce	15	Pole	7	

21 4199 - Other Mixed Upland Deciduous Poletimber Well 47.8 88 81-110 N/A 2011: healthier birch, steep slopes, reserve hemlock pine and oak

Canopy Species	% Cover	Size Class	DBH	Age
Red Oak	3	Log	14	
Yellow Birch	7	Pole	4	
Hemlock	15	Log	14	
Sugar Maple	10	Pole	4	
Red Maple	15	Pole	5	
Paper Birch	40	Pole	4	88
Quaking Aspen	10	Log	12	

Sub-Canopy Species	Density	Avg. Height	Size
Maple (spp.)	Full	Variable	Sapling
Hemlock	Full	10 - 20 feet	Sapling
Balsam Fir	Full	>20 feet	Sapling



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
-------	--------------------	--------------	-------	-----------	----------	--------------	------------------

22 4193 - Birch, Aspen Poletimber Well 8.2 50 51-80 N/A 2011: Old opening growing into birch.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Jack Pine	2	Pole	6		White Pine	Low	10 - 20 feet	Sapling
White Spruce	13	Pole	6		White Spruce	Full	10 - 20 feet	Sapling
Paper Birch	40	Sapling/Pole	5	50	Apple (spp.)	Low	5 - 10 feet	Sapling
Red Maple	10	Sapling/Pole	4		Balsam Fir	Full	10 - 20 feet	Sapling
Quaking Aspen	35	Pole/Sapling	6		Red Maple	Low	5 - 10 feet	Sapling

24 330 - Low-Density Trees Nonstocked 2.9 Unspecified No

25 3102 - Grass Nonstocked 5.6 Unspecified No Gas line

26 429 - Mixed Upland Conifers Poletimber Well 48.1 80 111-140 N/A

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Balsam Fir	15	Pole/Sapling	5		Red Maple	Full	>20 feet	Sapling
White Pine	15	Log	16		Balsam Fir	Full	>20 feet	Sapling
Quaking Aspen	5	Pole/Log	7		White Pine	High	>20 feet	Sapling
Red Pine	15	Log	16		Red Pine	High	>20 feet	Sapling
Red Oak	5	Log/Pole	12		Paper Birch	Full	>20 feet	Sapling
Paper Birch	10	Pole	5					
White Spruce	5	Pole/Log	6					
Red Maple	15	Pole	5	80				
Jack Pine	15	Pole	6	57				

27 4312 - Hemlock, Mixed Deciduous Poletimber Well 9.9 99 111-140 N/A steep slopes

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Pine	2	Log	16		Balsam Fir	Full	>20 feet	Sapling
Paper Birch	25	Pole	6		Hemlock	Full	>20 feet	Sapling
Red Maple	15	Pole	6		Red Maple	Full	Variable	Sapling
Red Oak	3	Log	14					
Hemlock	55	Log	14	99				

28 42200 - Natural White Pine Sawtimber Well 15.0 109 81-110 N/A

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Oak	15	Log	10		Red Oak	Medium	5 - 10 feet	Sapling
White Pine	60	Log	16	109	Hemlock	Low	10 - 20 feet	Sapling
Hemlock	5	Log/Pole	11		White Pine	Low	< 5 feet	Sapling
Red Pine	20	XLog/Log	18		Quaking Aspen	Full	5 - 10 feet	Sapling
					Red Maple	Full	5 - 10 feet	Sapling

OI 1914.
2021: Mixed up Moose, cut in 2014, aspen and Hdwd was clear-cut and white pine was thinned.



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
-------	--------------------	--------------	-------	-----------	----------	--------------	------------------

29 4191 - Mixed Upland Deciduous with Conifer Sapling Well 58.4 19 Immature N/A 2011: ORV Birch, C-cut in 2004, unit 2. just harvested a few years ago and regenerating saplings, enough to be forested but not record BA yet (2011).

Canopy Species	% Cover	Size Class	DBH	Age
Paper Birch	10	Sapling	1	19
Quaking Aspen	25	Sapling	1	19
Balsam Fir	10	Sapling	1	19
Red Maple	15	Sapling	1	19
White Pine	3	Log	16	
Red Pine	2	Log	16	
Red Oak	15	Log	10	
Sugar Maple	15	Sapling	1	19
Hemlock	5	Log	12	

30 4191 - Mixed Upland Deciduous with Conifer Sapling Poor 61.1 10 Immature N/A 2021: Spooky Hills, unit 3 and 4, cut in 2014.

Canopy Species	% Cover	Size Class	DBH	Age
Red Maple	20	Sapling	1	10
Paper Birch	5	Sapling	1	10
Balsam Fir	5	Sapling	1	10
White Spruce	10	Sapling	1	10
White Pine	5	Log	16	
Black Cherry	10	Sapling	1	
Hemlock	15	Log/Pole	11	
Quaking Aspen	30	Sapling	1	10

31 4191 - Mixed Upland Deciduous with Conifer Sapling Well 4.7 10 1-50 N/A 2011: Steep slopes, 2021:JB3 selection cut in 2014

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Paper Birch	20	Pole/Log	1	10	Maple (spp.)	Full	Variable	Sapling
White Spruce	3	Sapling	1		Hemlock	High	>20 feet	Sapling
White Pine	3	Log	16	97	Red Oak	Full	>20 feet	Pole
Sugar Maple	5	Sapling	1		Balsam Fir	Full	>20 feet	Pole
Hemlock	15	Log	14	97	White Pine	Low	>20 feet	Sapling
Red Oak	5	Log	14	97	Paper Birch	Full	>20 feet	Pole
Red Maple	25	Sapling	1	10	White Spruce	High	>20 feet	Pole
Quaking Aspen	20	Sapling	1	10				
Yellow Birch	2	Sapling	1					
Red Pine	2	Log	18	97				



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
-------	--------------------	--------------	-------	-----------	----------	--------------	------------------

32	42290 - Natural Mixed Pine	Sawtimber Well	13.8	101	81-110	N/A	2011: Heavy deer browse. ba is pine and oak super canopy reserved from last harvest.
-----------	----------------------------	----------------	------	-----	--------	-----	--

Canopy Species	% Cover	Size Class	DBH	Age
White Pine	37	XLog	16	
Red Pine	38	XLog	18	101
Red Oak	25	Log	14	

Sub-Canopy Species	Density	Avg. Height	Size
Balsam Fir	Full	10 - 20 feet	Sapling
White Pine	Full	10 - 20 feet	Sapling
Black Cherry	Full	10 - 20 feet	Sapling
Aspen (spp.)	Full	>20 feet	Sapling
Paper Birch	Full	>20 feet	Sapling
Red Maple	Full	>20 feet	Sapling

33	4115 - Y.Birch, Hemlock NH	Poletimber Well	72.6	111	81-110	N/A	2021: Menge Mix, unit 3, cut in 2004.
-----------	----------------------------	-----------------	------	-----	--------	-----	---------------------------------------

Canopy Species	% Cover	Size Class	DBH	Age
Red Oak	2	Log	12	
Yellow Birch	5	Pole	6	
Sugar Maple	30	Pole/Log	7	
Hemlock	23	Pole/Log	10	
Red Maple	40	Pole/Log	7	111

Sub-Canopy Species	Density	Avg. Height	Size
Ironwood	Medium	10 - 20 feet	Tall Shrub
Yellow Birch	Full	>20 feet	Sapling
Hemlock	High	>20 feet	Pole
Red Oak	Low	< 5 feet	Sapling
Balsam Fir	Full	>20 feet	Sapling
Maple (spp.)	Full	Variable	Sapling

34	4199 - Other Mixed Upland Deciduous	Poletimber Well	19.1	97	81-110	N/A	2011: oi 1926, birch is dyeing , reserve oak, hemlock and pine if any
-----------	-------------------------------------	-----------------	------	----	--------	-----	---

Canopy Species	% Cover	Size Class	DBH	Age
Red Maple	30	Pole	6	
Black Spruce	3	Pole	6	
Tamarack	2	Pole	6	
Red Oak	2	Pole/Log	12	
Sugar Maple	15	Pole	6	
Paper Birch	45	Pole	7	97
Hemlock	3	Pole	7	

Sub-Canopy Species	Density	Avg. Height	Size
Balsam Fir	Full	10 - 20 feet	Sapling
Hemlock	Low	>20 feet	Sapling
Maple (spp.)	Full	Variable	Sapling

35	4191 - Mixed Upland Deciduous with Conifer	Sapling Well	50.7	19	1-50	N/A	2011: cut in 1994. ba is pine and oak super canopy reserved from last harvest.
-----------	--	--------------	------	----	------	-----	--

Canopy Species	% Cover	Size Class	DBH	Age
Red Oak	10	Pole/Log	9	112
Paper Birch	10	Sapling	2	19
Balsam Fir	10	Sapling	2	19
Red Pine	10	Log	16	
Sugar Maple	5	Sapling	2	19
White Pine	10	Log	16	
Quaking Aspen	25	Sapling	2	19
Red Maple	20	Sapling	2	19



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
-------	--------------------	--------------	-------	-----------	----------	--------------	------------------

36 6129 - Mixed Coniferous Lowland Forest Poletimber Well 3.7 85 51-80 N/A

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Tamarack	45	Pole	6	85	Black Spruce	High	10 - 20 feet	Sapling
Paper Birch	5	Pole	5					
Black Spruce	40	Pole	5					
White Pine	2	Log	16					
Hemlock	5	Log	16					
Red Maple	3	Pole	5					

37 4191 - Mixed Upland Deciduous with Conifer Sapling Poor 74.6 9 1-50 N/A

2011: OI 1922, Reserve oak pine hemlock, possible mark some pine and oak.
2021: Mixed Up Moose, cut in 2014.

Canopy Species	% Cover	Size Class	DBH	Age
Balsam Fir	5	Sapling/Pole	4	
Paper Birch	5	Sapling	1	9
Red Maple	25	Sapling	1	9
White Pine	15	XLog	18	101
Red Pine	10	XLog	18	
Red Oak	10	Log	12	
Quaking Aspen	30	Sapling	1	9

38 4312 - Hemlock, Mixed Deciduous Poletimber Well 20.7 97 111-140 N/A

2011: OI 1926, no cut to preserve small hemlock poles

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Paper Birch	20	Pole	7		Hemlock	Full	Variable	Pole
Red Pine	2	Log	14		Red Maple	Full	Variable	Sapling
Hemlock	50	Pole/Log	15	97	Balsam Fir	Full	10 - 20 feet	Sapling
Sugar Maple	10	Pole	6					
Red Maple	10	Pole	6					
Yellow Birch	5	Pole	6					
White Pine	3	Log	14					

39 42350 - Upland Hemlock Poletimber Well 9.4 111 141-170 N/A

part of stand cut in 1993

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	5	Pole	6		Balsam Fir	Low	10 - 20 feet	Sapling
Paper Birch	2	Log	6		Hemlock	Low	>20 feet	Pole
Hemlock	90	Log	16	111				
Yellow Birch	3	Pole	6					



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
-------	--------------------	--------------	-------	-----------	----------	--------------	------------------

40 4115 - Y.Birch, Hemlock NH Poletimber Well 18.5 111 81-110 N/A 2021: J3B Hdwd, cut in 2014. Heavy deer browse.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Oak	2	Log	12		Hemlock	High	>20 feet	Pole
Yellow Birch	5	Pole	6		Ironwood	Medium	10 - 20 feet	Sapling
Hemlock	23	Log	10		Red Oak	Full	5 - 10 feet	Sapling
Red Maple	40	Pole/Log	7	111	Yellow Birch	Full	>20 feet	Sapling
Sugar Maple	30	Pole/Log	7		Balsam Fir	Full	>20 feet	Sapling
					Maple (spp.)	Full	Variable	Sapling

41 4199 - Other Mixed Upland Deciduous Sapling Well 3.6 20 Immature N/A 2011: Menge Mix, unit 2, C-cut in 2003. just harvested a few years ago and regenerating saplings, enough to be forested but not record BA yet (2011).

Canopy Species	% Cover	Size Class	DBH	Age
Hemlock	3	Pole	5	
Red Maple	25	Sapling	1	20
Red Oak	2	Log	12	
Paper Birch	40	Sapling	1	20
Balsam Fir	10	Sapling	2	20
Sugar Maple	20	Sapling	1	20

42 4119 - Mixed Northern Hardwoods Poletimber Well 16.9 111 111-140 N/A 2011: Steep slopes, birch is about gone.2021: Still very steep.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Yellow Birch	6	Pole	7		Hemlock	Low	>20 feet	Sapling
Red Oak	2	Pole	7		Maple (spp.)	Full	Variable	Pole
Quaking Aspen	2	Log	14		Balsam Fir	Full	>20 feet	Sapling
Hemlock	2	Log	14					
Red Maple	30	Pole	6					
Sugar Maple	45	Pole	7	111				
Paper Birch	13	Pole	6					

43 4123 - Red Oak Poletimber Well 33.4 112 81-110 N/A 2021:Bomier Hill East, selection cut in 1993. Very little regeneration.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Oak	90	Pole/Log	9	112	Aspen (spp.)	High	10 - 20 feet	Sapling
Red Pine	5	Log	16		Red Oak	High	10 - 20 feet	Sapling
White Pine	5	Log	16		Balsam Fir	Full	10 - 20 feet	Sapling
					White Pine	Full	10 - 20 feet	Sapling
					Red Pine	Full	10 - 20 feet	Sapling
					Red Maple	Full	Variable	Sapling
					Paper Birch	High	5 - 10 feet	Sapling



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
-------	--------------------	--------------	-------	-----------	----------	--------------	------------------

44 4112 - Maple, Beech, Cherry Association Poletimber Well 29.4 111 51-80 N/A 2011: Menge Creek Hdwd, cut in 1998,2021: J3B Hdwd, cut in 2014. Heavy deer browse.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Hemlock	13	Pole/Log	10		Hemlock	High	>20 feet	Pole
Sugar Maple	35	Pole/Log	7		Maple (spp.)	Full	Variable	Sapling
Red Maple	45	Pole/Log	7	111	Yellow Birch	Full	10 - 20 feet	Sapling
Yellow Birch	5	Pole	6		Ironwood	Medium	10 - 20 feet	Sapling
Red Oak	2	Log	12		Red Oak	Low	5 - 10 feet	Sapling
					Balsam Fir	Full	>20 feet	Sapling

45 4112 - Maple, Beech, Cherry Association Poletimber Well 15.1 111 81-110 N/A Menge Mix, unit 1, cut in 2003.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Sugar Maple	45	Pole	7		Paper Birch	Medium	>20 feet	Sapling
Red Maple	45	Pole	7	111	Balsam Fir	High	5 - 10 feet	Sapling
Red Oak	2	Log	12		Maple (spp.)	Full	Variable	Pole
Yellow Birch	3	Pole	6					
White Pine	2	XLog	18					
Hemlock	3	Log	14					

46 500 - Water Nonstocked 3.6 Unspecified No Anderson Lake

47 6122 - Black Spruce Poletimber Well 14.4 85 111-140 N/A Buffer around Anderson Lake

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
White Pine	5	Pole	7		White Pine	Medium	10 - 20 feet	Sapling
Black Spruce	50	Pole	7	85	Tag Alder	Full	10 - 20 feet	Tall Shrub
Tamarack	45	Pole	7					

48 42380 - Non Pine Upland Conifer, Mixed Poletimber Well 14.5 101 141-170 N/A 2021: Look to cut in 2033with adjacent hardwood.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	22	Pole	6		Balsam Fir	Medium	10 - 20 feet	Sapling
Yellow Birch	10	Pole	7		Hemlock	Full	Variable	Pole
Black Spruce	20	Pole	6		Tag Alder	High	10 - 20 feet	Tall Shrub
White Pine	3	XLog	18					
Hemlock	40	Pole/Log	10	101				
Paper Birch	5	Pole	6					

49 3102 - Grass Nonstocked 15.7 Unspecified No Power line

50 500 - Water Nonstocked 1.1 Unspecified No



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
-------	--------------------	--------------	-------	-----------	----------	--------------	------------------

51	6122 - Black Spruce	Sapling Well	4.4	85	51-80	N/A	wet hole																				
<table border="1"> <thead> <tr> <th>Canopy Species</th> <th>% Cover</th> <th>Size Class</th> <th>DBH</th> <th>Age</th> </tr> </thead> <tbody> <tr> <td>Black Spruce</td> <td>60</td> <td>Sapling/Pole</td> <td>4</td> <td>85</td> </tr> <tr> <td>White Pine</td> <td>5</td> <td>Sapling</td> <td>2</td> <td></td> </tr> <tr> <td>Tamarack</td> <td>35</td> <td>Sapling/Pole</td> <td>4</td> <td></td> </tr> </tbody> </table>								Canopy Species	% Cover	Size Class	DBH	Age	Black Spruce	60	Sapling/Pole	4	85	White Pine	5	Sapling	2		Tamarack	35	Sapling/Pole	4	
Canopy Species	% Cover	Size Class	DBH	Age																							
Black Spruce	60	Sapling/Pole	4	85																							
White Pine	5	Sapling	2																								
Tamarack	35	Sapling/Pole	4																								

52	6220 - Alder/willow	Nonstocked	4.4		Unspecified	No	
-----------	---------------------	------------	-----	--	-------------	----	--

53	3102 - Grass	Nonstocked	9.5		Unspecified	No	poere line
-----------	--------------	------------	-----	--	-------------	----	------------

54	4115 - Y.Birch, Hemlock NH	Poletimber Well	141.9	111	81-110	N/A	2021: 10 Point Hdwd, selection cut in 2015.																																																															
<table border="1"> <thead> <tr> <th>Canopy Species</th> <th>% Cover</th> <th>Size Class</th> <th>DBH</th> <th>Age</th> <th>Sub-Canopy Species</th> <th>Density</th> <th>Avg. Height</th> <th>Size</th> </tr> </thead> <tbody> <tr> <td>Yellow Birch</td> <td>3</td> <td>Pole</td> <td>6</td> <td></td> <td>Red Oak</td> <td>Low</td> <td>10 - 20 feet</td> <td>Sapling</td> </tr> <tr> <td>Sugar Maple</td> <td>45</td> <td>Pole</td> <td>7</td> <td>111</td> <td>Hemlock</td> <td>Low</td> <td>Variable</td> <td>Sapling</td> </tr> <tr> <td>White Spruce</td> <td>2</td> <td>Log</td> <td>12</td> <td></td> <td>Maple (spp.)</td> <td>Full</td> <td>Variable</td> <td>Sapling</td> </tr> <tr> <td>Hemlock</td> <td>20</td> <td>Log</td> <td>14</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>Red Maple</td> <td>20</td> <td>Pole</td> <td>7</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>Red Oak</td> <td>10</td> <td>Log</td> <td>12</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table>								Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size	Yellow Birch	3	Pole	6		Red Oak	Low	10 - 20 feet	Sapling	Sugar Maple	45	Pole	7	111	Hemlock	Low	Variable	Sapling	White Spruce	2	Log	12		Maple (spp.)	Full	Variable	Sapling	Hemlock	20	Log	14						Red Maple	20	Pole	7						Red Oak	10	Log	12					
Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size																																																														
Yellow Birch	3	Pole	6		Red Oak	Low	10 - 20 feet	Sapling																																																														
Sugar Maple	45	Pole	7	111	Hemlock	Low	Variable	Sapling																																																														
White Spruce	2	Log	12		Maple (spp.)	Full	Variable	Sapling																																																														
Hemlock	20	Log	14																																																																			
Red Maple	20	Pole	7																																																																			
Red Oak	10	Log	12																																																																			

55	4191 - Mixed Upland Deciduous with Conifer	Poletimber Well	210.7	111	111-140	N/A	Gimp Hdwd & W. Menge Hdwd, cut in 2003																																																															
<table border="1"> <thead> <tr> <th>Canopy Species</th> <th>% Cover</th> <th>Size Class</th> <th>DBH</th> <th>Age</th> <th>Sub-Canopy Species</th> <th>Density</th> <th>Avg. Height</th> <th>Size</th> </tr> </thead> <tbody> <tr> <td>Paper Birch</td> <td>2</td> <td>Pole</td> <td>5</td> <td></td> <td>Hemlock</td> <td>Medium</td> <td>Variable</td> <td>Pole</td> </tr> <tr> <td>Hemlock</td> <td>25</td> <td>Log</td> <td>16</td> <td></td> <td>Maple (spp.)</td> <td>Full</td> <td>Variable</td> <td>Sapling</td> </tr> <tr> <td>Red Maple</td> <td>20</td> <td>Pole</td> <td>7</td> <td></td> <td>Yellow Birch</td> <td>Full</td> <td>Variable</td> <td>Sapling</td> </tr> <tr> <td>Red Oak</td> <td>15</td> <td>Log</td> <td>14</td> <td></td> <td>Red Oak</td> <td>Medium</td> <td>5 - 10 feet</td> <td>Sapling</td> </tr> <tr> <td>Yellow Birch</td> <td>13</td> <td>Pole</td> <td>7</td> <td></td> <td>Balsam Fir</td> <td>Medium</td> <td>5 - 10 feet</td> <td>Sapling</td> </tr> <tr> <td>Sugar Maple</td> <td>25</td> <td>Pole/Log</td> <td>7</td> <td>111</td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table>								Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size	Paper Birch	2	Pole	5		Hemlock	Medium	Variable	Pole	Hemlock	25	Log	16		Maple (spp.)	Full	Variable	Sapling	Red Maple	20	Pole	7		Yellow Birch	Full	Variable	Sapling	Red Oak	15	Log	14		Red Oak	Medium	5 - 10 feet	Sapling	Yellow Birch	13	Pole	7		Balsam Fir	Medium	5 - 10 feet	Sapling	Sugar Maple	25	Pole/Log	7	111				
Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size																																																														
Paper Birch	2	Pole	5		Hemlock	Medium	Variable	Pole																																																														
Hemlock	25	Log	16		Maple (spp.)	Full	Variable	Sapling																																																														
Red Maple	20	Pole	7		Yellow Birch	Full	Variable	Sapling																																																														
Red Oak	15	Log	14		Red Oak	Medium	5 - 10 feet	Sapling																																																														
Yellow Birch	13	Pole	7		Balsam Fir	Medium	5 - 10 feet	Sapling																																																														
Sugar Maple	25	Pole/Log	7	111																																																																		

56	4139 - Aspen, Mixed Deciduous	Poletimber Well	12.1	52	51-80	N/A	2011: Choppers choice- most of the large aspen had been removed in stand. 32021: Look to cut in 2033.																																																																								
<table border="1"> <thead> <tr> <th>Canopy Species</th> <th>% Cover</th> <th>Size Class</th> <th>DBH</th> <th>Age</th> <th>Sub-Canopy Species</th> <th>Density</th> <th>Avg. Height</th> <th>Size</th> </tr> </thead> <tbody> <tr> <td>Quaking Aspen</td> <td>50</td> <td>Pole/Log</td> <td>5</td> <td>52</td> <td>Red Maple</td> <td>Full</td> <td>10 - 20 feet</td> <td>Sapling</td> </tr> <tr> <td>Red Pine</td> <td>3</td> <td>XLog</td> <td>18</td> <td></td> <td>White Pine</td> <td>Low</td> <td>5 - 10 feet</td> <td>Sapling</td> </tr> <tr> <td>Red Maple</td> <td>20</td> <td>Pole</td> <td>5</td> <td></td> <td>Balsam Fir</td> <td>Low</td> <td>10 - 20 feet</td> <td>Sapling</td> </tr> <tr> <td>Jack Pine</td> <td>2</td> <td>Pole</td> <td>4</td> <td></td> <td>Red Oak</td> <td>Low</td> <td>5 - 10 feet</td> <td>Sapling</td> </tr> <tr> <td>Red Oak</td> <td>10</td> <td>Log</td> <td>16</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>Paper Birch</td> <td>10</td> <td>Pole</td> <td>6</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>White Pine</td> <td>5</td> <td>XLog</td> <td>18</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table>								Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size	Quaking Aspen	50	Pole/Log	5	52	Red Maple	Full	10 - 20 feet	Sapling	Red Pine	3	XLog	18		White Pine	Low	5 - 10 feet	Sapling	Red Maple	20	Pole	5		Balsam Fir	Low	10 - 20 feet	Sapling	Jack Pine	2	Pole	4		Red Oak	Low	5 - 10 feet	Sapling	Red Oak	10	Log	16						Paper Birch	10	Pole	6						White Pine	5	XLog	18					
Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size																																																																							
Quaking Aspen	50	Pole/Log	5	52	Red Maple	Full	10 - 20 feet	Sapling																																																																							
Red Pine	3	XLog	18		White Pine	Low	5 - 10 feet	Sapling																																																																							
Red Maple	20	Pole	5		Balsam Fir	Low	10 - 20 feet	Sapling																																																																							
Jack Pine	2	Pole	4		Red Oak	Low	5 - 10 feet	Sapling																																																																							
Red Oak	10	Log	16																																																																												
Paper Birch	10	Pole	6																																																																												
White Pine	5	XLog	18																																																																												



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
-------	--------------------	--------------	-------	-----------	----------	--------------	------------------

57 4133 - Aspen, Mixed Pine Sapling Well 108.7 29 51-80 N/A 2011: BA is pine and oak the rest is saplings. Blind Birch cut in 1994.

Canopy Species	% Cover	Size Class	DBH	Age
Jack Pine	3	Pole	6	
Hemlock	3	XLog	16	
Red Oak	10	Sapling/Pole	12	
Quaking Aspen	40	Sapling	2	29
Red Maple	20	Sapling	2	29
Paper Birch	2	Sapling	2	29
Red Pine	10	XLog	18	
White Pine	12	XLog	18	

58 4191 - Mixed Upland Deciduous with Conifer Poletimber Well 28.4 112 51-80 N/A 2011: B6 1971

Canopy Species	% Cover	Size Class	DBH	Age
Red Oak	5	Log	8	
White Spruce	3	Pole	5	
Balsam Fir	2	Pole	4	
Quaking Aspen	15	Pole	5	
Paper Birch	20	Pole	5	
White Pine	35	Log	16	112
Red Maple	20	Pole	5	

Sub-Canopy Species	Density	Avg. Height	Size
White Pine	Medium	5 - 10 feet	Sapling
Maple (spp.)	Full	Variable	Sapling
Red Oak	Full	10 - 20 feet	Sapling
White Spruce	Full	>20 feet	Sapling
Balsam Fir	Full	>20 feet	Sapling
Paper Birch	Full	>20 feet	Sapling

59 4112 - Maple, Beech, Cherry Association Poletimber Well 1.7 111 111-140 N/A Was cut w/ adj. cmpt 10 in 2012.

Canopy Species	% Cover	Size Class	DBH	Age
White Pine	2	XLog	16	
Red Maple	63	Pole	7	111
Sugar Maple	35	Pole	7	

Sub-Canopy Species	Density	Avg. Height	Size
Balsam Fir	Low	>20 feet	Sapling
Red Oak	Full	10 - 20 feet	Sapling
Maple (spp.)	Full	Variable	Sapling
White Pine	Low	5 - 10 feet	Sapling

60 4123 - Red Oak Poletimber Well 36.8 101 81-110 N/A 2019: West side of Menge Creek Road was under burnt on 6/7/2019. Good acorn crop the fall of 2019. Should have good regen luck. 2011: Engman Lake Hdwd cut in 1993, Open oakes to 50 BA. remove all HDWD down to 2" and marked oak, reserve pine

Canopy Species	% Cover	Size Class	DBH	Age
Red Oak	85	Log/Pole	12	101
Sugar Maple	5	Pole	5	
Red Maple	5	Pole	5	
Yellow Birch	3	Pole	5	
White Pine	2	Log	14	

Sub-Canopy Species	Density	Avg. Height	Size
Maple (spp.)	Low	Variable	Sapling
Hemlock	Low	>20 feet	Pole
Red Oak	Medium	< 5 feet	Sapling
White Pine	Low	< 5 feet	Sapling



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																							
61	42350 - Upland Hemlock	Sawtimber Well	8.2	111	141-170	N/A																																																								
<table border="1"> <thead> <tr> <th>Canopy Species</th> <th>% Cover</th> <th>Size Class</th> <th>DBH</th> <th>Age</th> </tr> </thead> <tbody> <tr> <td>Yellow Birch</td> <td>3</td> <td>Pole</td> <td>6</td> <td></td> </tr> <tr> <td>Red Maple</td> <td>2</td> <td>Pole</td> <td>6</td> <td></td> </tr> <tr> <td>Hemlock</td> <td>95</td> <td>Log</td> <td>14</td> <td>111</td> </tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age	Yellow Birch	3	Pole	6		Red Maple	2	Pole	6		Hemlock	95	Log	14	111	<table border="1"> <thead> <tr> <th>Sub-Canopy Species</th> <th>Density</th> <th>Avg. Height</th> <th>Size</th> </tr> </thead> <tbody> <tr> <td>Red Maple</td> <td>Medium</td> <td>>20 feet</td> <td>Pole</td> </tr> <tr> <td>Yellow Birch</td> <td>Medium</td> <td>>20 feet</td> <td>Pole</td> </tr> <tr> <td>Hemlock</td> <td>Medium</td> <td>>20 feet</td> <td>Pole</td> </tr> </tbody> </table>		Sub-Canopy Species	Density	Avg. Height	Size	Red Maple	Medium	>20 feet	Pole	Yellow Birch	Medium	>20 feet	Pole	Hemlock	Medium	>20 feet	Pole																							
Canopy Species	% Cover	Size Class	DBH	Age																																																										
Yellow Birch	3	Pole	6																																																											
Red Maple	2	Pole	6																																																											
Hemlock	95	Log	14	111																																																										
Sub-Canopy Species	Density	Avg. Height	Size																																																											
Red Maple	Medium	>20 feet	Pole																																																											
Yellow Birch	Medium	>20 feet	Pole																																																											
Hemlock	Medium	>20 feet	Pole																																																											
62	3303 - Mixed Low Density Trees	Nonstocked	8.6		Unspecified	No																																																								
63	500 - Water	Nonstocked	3.0		Unspecified	No	Engman Lake																																																							
64	6239 - Mixed Emergent Wetland	Nonstocked	6.2	0	Unspecified	No																																																								
65	42310 - Planted Spruce	Poletimber Well	5.1	60	81-110	N/A	Planted spruce 1963. Turkey Wild Mix row thinned in 2015.																																																							
<table border="1"> <thead> <tr> <th>Canopy Species</th> <th>% Cover</th> <th>Size Class</th> <th>DBH</th> <th>Age</th> </tr> </thead> <tbody> <tr> <td>Red Maple</td> <td>2</td> <td>Sapling/Pole</td> <td>4</td> <td></td> </tr> <tr> <td>White Spruce</td> <td>95</td> <td>Pole/Sap/Log</td> <td>7</td> <td>60</td> </tr> <tr> <td>Paper Birch</td> <td>3</td> <td>Pole</td> <td>6</td> <td></td> </tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age	Red Maple	2	Sapling/Pole	4		White Spruce	95	Pole/Sap/Log	7	60	Paper Birch	3	Pole	6		<table border="1"> <thead> <tr> <th>Sub-Canopy Species</th> <th>Density</th> <th>Avg. Height</th> <th>Size</th> </tr> </thead> <tbody> <tr> <td>Apple (spp.)</td> <td>Medium</td> <td>10 - 20 feet</td> <td>Sapling</td> </tr> <tr> <td>Aspen (spp.)</td> <td>Low</td> <td>10 - 20 feet</td> <td>Sapling</td> </tr> <tr> <td>Red Maple</td> <td>Medium</td> <td>Variable</td> <td>Sapling</td> </tr> <tr> <td>White Spruce</td> <td>Full</td> <td>>20 feet</td> <td>Sapling</td> </tr> <tr> <td>White Pine</td> <td>Low</td> <td>10 - 20 feet</td> <td>Sapling</td> </tr> </tbody> </table>		Sub-Canopy Species	Density	Avg. Height	Size	Apple (spp.)	Medium	10 - 20 feet	Sapling	Aspen (spp.)	Low	10 - 20 feet	Sapling	Red Maple	Medium	Variable	Sapling	White Spruce	Full	>20 feet	Sapling	White Pine	Low	10 - 20 feet	Sapling															
Canopy Species	% Cover	Size Class	DBH	Age																																																										
Red Maple	2	Sapling/Pole	4																																																											
White Spruce	95	Pole/Sap/Log	7	60																																																										
Paper Birch	3	Pole	6																																																											
Sub-Canopy Species	Density	Avg. Height	Size																																																											
Apple (spp.)	Medium	10 - 20 feet	Sapling																																																											
Aspen (spp.)	Low	10 - 20 feet	Sapling																																																											
Red Maple	Medium	Variable	Sapling																																																											
White Spruce	Full	>20 feet	Sapling																																																											
White Pine	Low	10 - 20 feet	Sapling																																																											
66	4119 - Mixed Northern Hardwoods	Poletimber Well	3.6	111	51-80	N/A	2021: Was cut with adjacent compartment (010) in 2014																																																							
<table border="1"> <thead> <tr> <th>Canopy Species</th> <th>% Cover</th> <th>Size Class</th> <th>DBH</th> <th>Age</th> </tr> </thead> <tbody> <tr> <td>Paper Birch</td> <td>3</td> <td>Pole</td> <td>7</td> <td>52</td> </tr> <tr> <td>Quaking Aspen</td> <td>2</td> <td>Pole</td> <td>6</td> <td>52</td> </tr> <tr> <td>White Pine</td> <td>2</td> <td>XLog</td> <td>17</td> <td></td> </tr> <tr> <td>Sugar Maple</td> <td>33</td> <td>Pole</td> <td>8</td> <td>111</td> </tr> <tr> <td>Red Oak</td> <td>30</td> <td>Log</td> <td>14</td> <td></td> </tr> <tr> <td>Red Maple</td> <td>30</td> <td>Pole</td> <td>7</td> <td></td> </tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age	Paper Birch	3	Pole	7	52	Quaking Aspen	2	Pole	6	52	White Pine	2	XLog	17		Sugar Maple	33	Pole	8	111	Red Oak	30	Log	14		Red Maple	30	Pole	7		<table border="1"> <thead> <tr> <th>Sub-Canopy Species</th> <th>Density</th> <th>Avg. Height</th> <th>Size</th> </tr> </thead> <tbody> <tr> <td>Ironwood</td> <td>Low</td> <td>10 - 20 feet</td> <td>Sapling</td> </tr> <tr> <td>Maple (spp.)</td> <td>Full</td> <td>Variable</td> <td>Sapling</td> </tr> <tr> <td>Balsam Fir</td> <td>High</td> <td>10 - 20 feet</td> <td>Sapling</td> </tr> <tr> <td>White Pine</td> <td>Full</td> <td>5 - 10 feet</td> <td>Sapling</td> </tr> </tbody> </table>		Sub-Canopy Species	Density	Avg. Height	Size	Ironwood	Low	10 - 20 feet	Sapling	Maple (spp.)	Full	Variable	Sapling	Balsam Fir	High	10 - 20 feet	Sapling	White Pine	Full	5 - 10 feet	Sapling				
Canopy Species	% Cover	Size Class	DBH	Age																																																										
Paper Birch	3	Pole	7	52																																																										
Quaking Aspen	2	Pole	6	52																																																										
White Pine	2	XLog	17																																																											
Sugar Maple	33	Pole	8	111																																																										
Red Oak	30	Log	14																																																											
Red Maple	30	Pole	7																																																											
Sub-Canopy Species	Density	Avg. Height	Size																																																											
Ironwood	Low	10 - 20 feet	Sapling																																																											
Maple (spp.)	Full	Variable	Sapling																																																											
Balsam Fir	High	10 - 20 feet	Sapling																																																											
White Pine	Full	5 - 10 feet	Sapling																																																											
67	3102 - Grass	Nonstocked	2.6		Unspecified	Managed Opening																																																								
68	42310 - Planted Spruce	Poletimber Well	1.0	60	111-140	N/A	Planted spruce 1963. Turkey Wild Mix row thinned in 2015.																																																							
<table border="1"> <thead> <tr> <th>Canopy Species</th> <th>% Cover</th> <th>Size Class</th> <th>DBH</th> <th>Age</th> </tr> </thead> <tbody> <tr> <td>White Spruce</td> <td>100</td> <td>Pole</td> <td>8</td> <td>60</td> </tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age	White Spruce	100	Pole	8	60																																																			
Canopy Species	% Cover	Size Class	DBH	Age																																																										
White Spruce	100	Pole	8	60																																																										



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
-------	--------------------	--------------	-------	-----------	----------	--------------	------------------

69 4191 - Mixed Upland Deciduous with Conifer Sapling Poor 7.9 7 Immature N/A 2016: Turkey wild mix cut in 2015.

Canopy Species	% Cover	Size Class	DBH	Age
White Pine	20	Log	16	
Red Maple	20	Sapling	1	7
Quaking Aspen	38	Sapling	1	7
Paper Birch	20	Sapling	1	7
Red Pine	2	Log	16	

70 42350 - Upland Hemlock Sawtimber Well 27.5 111 111-140 N/A

2021: ORV Knee & W. Menge HDWD, cut in 2003.2021: per request from Wildlife division this stand was split from adjacent stand to preserve the structure on the stand.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	5	Pole	7		Maple (spp.)	Full	Variable	Sapling
Hemlock	80	Log	16	111	Yellow Birch	Full	Variable	Sapling
Sugar Maple	5	Log	11	111	Balsam Fir	Medium	5 - 10 feet	Sapling
Red Oak	5	Log	14		Red Oak	Medium	5 - 10 feet	Sapling
Yellow Birch	5	Pole	7		Hemlock	Medium	Variable	Pole

72 4319 - Mixed Upland Forest Sapling Well 36.0 26 1-50 N/A

2011: Cut in 1997. Heavy Deer Browse. Just Harvested a few years ago and regenerating saplings. Enough to be a forested but not enough to record a BA. There are also some large Red Oak in the stand.

Canopy Species	% Cover	Size Class	DBH	Age
Red Maple	15	Sapling	2	26
White Pine	3	Log/XLog	16	
White Spruce	15	Sapling	4	26
Paper Birch	10	Sapling	3	26
Jack Pine	2	Pole	8	
Quaking Aspen	25	Sapling	2	26
Balsam Fir	15	Sapling	3	26
Hemlock	10	Log/XLog	14	
Red Oak	5	Sapling	1	26